

**EPA Reg. No. 87427-4**  
**Vol 1**



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

Office of Chemical Safety  
and Pollution Prevention

September 22, 2011

Ann Tillman  
Tacoma Ag, LLC  
c/o Pyxis Regulatory Consulting Inc.  
4110 136<sup>th</sup> St. NW  
Gig Harbor, WA 98332

Subject: Submission to Add an Alternate Manufacturing Source  
Bifenthrin Technical  
EPA Reg. No. 83520-5  
Your Submission Dated: May 20, 2011

Dear Ms. Tillman:

We have no objection to the use of the alternate formulation (dated May 20, 2011) requested in your letter of the above date. The alternate Confidential Statements of Formula (CSF) is acceptable and has been inserted in the file for the subject product.

If you have any questions regarding this action, please contact BeWanda Alexander at [Alexander.bewanda@epa.gov](mailto:Alexander.bewanda@epa.gov) or (703) 305-7460.

Sincerely,

A handwritten signature in cursive script that reads "BeWanda Alexander for".

Richard Gebken  
Product Manager 10  
Insecticide Branch  
Registration Division (7505P)





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION  
OFFICE OF PESTICIDE PROGRAMS  
REGISTRATION DIVISION (7505P)

**FEE**

**BARCODE: D390416; FILE SYMBOL No.: 83520-5; PRODUCT: Bifenthrin Technical**

**DATE: September 12, 2011**

**SUBJECT: Bifenthrin Technical TGAI/MUP Alternate Manufacturing Site**

**FROM: Akiva Abramovitch, Ph.D.**  
**Technical Review Branch / RD (7505P)**

**THROUGH: Shyam B. Mathur, Ph.D.**  
**Product Chemistry Team Leader**  
**Technical Review Branch/RD (7505P)**

*8/8/11 9/13/11*

**TO: Bewanda Alexander/Richard Gebken, Product Manager, RM 10**  
**Insecticide Branch / RD (7505P)**

**DP BARCODE: 390416**  
**DECISION NO.: 449634**  
**REGISTRATION NO./FILE SYMBOL NO.: 83520-5**  
**PRODUCT NAME: Bifenthrin Technical**  
**PC CODE: 128825**  
**REGISTRANT: Tacoma Ag, LLC**  
**USE: Insecticide**  
**MRID NUMBERS: 484907-01 and 484907-02**

**INTRODUCTION:**

The applicant submitted an application for approval of the amendment to add an alternate manufacturing source of technical grade Bifenthrin (EPA Reg. No. 83520-5). The alternate manufacturer is [REDACTED] and located in [REDACTED]. In support of the application, the applicant submitted Group A product chemistry data with MRID Nos. 484907-01 and 484907-02. The proposed alternate CSF (dated 05/20/2011) and the CSF for the currently approved basic formulation (dated 09/08/2006) were also submitted. TRB has been asked to determine the acceptability of the product chemistry data and alternate CSF, and the substantial similarity of the product from the alternate manufacturer to the basic formulation.

This review has been altered subsequent to the contractor's signatures.

**BARCODE: D390416; FILE SYMBOL No.: 83520-5; PRODUCT: Bifenthrin Technical**  
**SUMMARY OF FINDINGS:**

1. Each of the following Group A guidelines are addressed below:

830.1550 (product identity & composition)

The submitted data are acceptable. Active ingredient and process-related impurities were adequately described.

830.1600 (description of materials used to produce the product).

The submitted data are acceptable. The MSDSs or specification sheets were submitted for all starting materials.

830.1620 (description of production process)

The submitted data are acceptable. Details of the production process (including chemical reactions and flow charts) were provided.

830.1670 (discussion on the formation of impurities)

The submitted data are acceptable. Detailed information regarding the origins of impurities was provided. The two major impurities (present at > 0.1%) are [REDACTED]  
[REDACTED]

830.1700 (preliminary analysis)

The submitted data are acceptable. The five-batch data analysis results show that the percent by weight of the active ingredient (Bifenthrin) in the product from the alternate manufacturing site ranges from 98.8% to 99.3%, with a mean of 98.92% that is within the certified limits (lower limit: 95.55%, upper limit: 100.0%) listed on the currently approved basic CSF dated 09/08/2006. The total nominal concentration of all the ingredients in the product ranges from 99.2% to 99.7%, with a mean of 99.3%. The basic CSF list the content of active ingredient at 98.65 and the product label at 98.5%.

830.1750 (certified limits)

The proposed certified limits for the AI and impurities on the alternate CSF are acceptable. The upper and lower certified limits for the AI are respectively 100% and 95.55% (same as those listed on the basic CSF dated 09/08/2006).

\*Manufacturing process information may be entitled to confidential treatment\*



**BARCODE: D390416; FILE SYMBOL No.: 83520-5; PRODUCT: Bifenthrin Technical**

**830.1800 (enforcement analytical method)**

The submitted data are acceptable. The identification methods for the AI include GC-MS, HPLC-DAD, HPLC-MS and NMR. The quantitative analytical method for the AI is HPLC using reverse phase column, DAD detection (at 250 nm) and external standard calibration. The method was reported to have acceptable specificity, a linearity of response (correlation coefficient) of 0.9997, consistency of system performance of 0.06%, assay precision of 0.18%, and assay accuracy of  $(99.93 \pm 0.47)\%$ . Methods were also described for identification and quantification of major impurities found in the product.

**2. 830 series group B guidelines (physical-chemical properties)**

Data was provided for the initial registration and no new data were enclosed with this submission

**CONCLUSIONS:**

The TRB has reviewed the product chemistry data submitted for Technical TGA1 (produced by Tacoma Ag, LLC) and has concluded that:

1. All product chemistry data (in MRID 484907-01 and 484907-02) submitted for guideline 830 Series group A are acceptable.
2. The proposed alternate CSF dated May 20, 2011 is acceptable.
3. No new product chemistry data corresponding to guideline 830 Series group B (physical/chemical properties) were submitted. Storage and Corrosion data have not yet been submitted for this product and remain a data gap-no indication that the data was provided to support the basic CSF dated 9/9/06 and the foot notes for the data matrix states "will be submitted upon completion".
4. The product from the alternate manufacturer is substantially similar to the basic formulation of EPA Reg. No. 83520-5: the same active ingredient at the same nominal concentration and with the same upper and lower certified limits, and with the same physical/chemical properties (bulk density, pH value and flash point). The production process is similar and involves essentially the same chemical reactions (MRID 484907-01). The exception is that there is a new impurity listed on the CSF [REDACTED] present at  $> 0.1\%$  in the product from the new manufacturing site.

\*Manufacturing process information may be entitled to confidential treatment\*

**BARCODE: D390416; FILE SYMBOL No.: 83520-5; PRODUCT: Bifenthrin Technical**

**830.1550. Product identity & composition: (MRID No. 484907-01)**

**Common Name: Bifenthrin**

**Chemical name (CAS): (2-methyl-[1,1'-biphenyl]3-yl)methyl 3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylate**

**(IUPAC): 2-methylbiphenyl-3-yl (*Z*) -(1*RS*, 3*RS*)-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate**

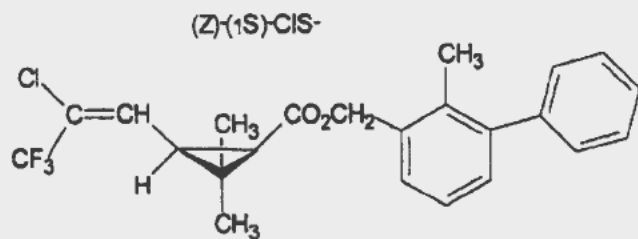
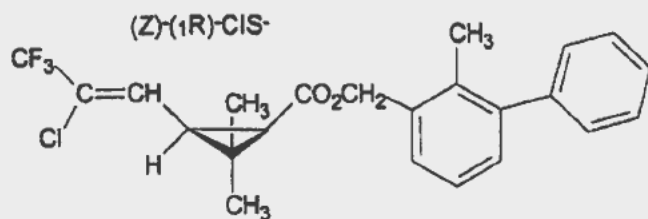
**CAS No.: 82657-04-3**

**PC Code No.: 128825**

**Empirical Formula: C<sub>23</sub>H<sub>22</sub>ClF<sub>3</sub>O<sub>2</sub>**

**Molecular Weight: 422.9 g/mole**

**Structural Formula:**



\*Manufacturing process information may be entitled to confidential treatment\*

**BARCODE: D390416; FILE SYMBOL No.: 83520-5; PRODUCT: Bifenthrin Technical**

Table 1. Manufacturing and Impurity Data for Technical TGAI "Bifenthrin."				
GLN	Requirement	MRID	Status	Details and/or Deficiency
830.1550	Product Identity & Composition	CSF (05/20/2011), MRID 484907-01	A	The product is a technical grade product. The AI is Bifenthrin (purity: 98.5%). The major processed-related impurities include [REDACTED] and [REDACTED]
830.1600	Description of materials used to produce the product	484907-01	A	Refer to text below for details
830.1620	Description of production process	484907-01	A	Refer to text below for details
830.1670	Discussion on the formation of impurities	484907-01	A	Refer to text below for details
830.1700	Preliminary analysis	484907-02	A	Refer to text below for details
830.1750	Certified limits	CSF (05/20/2011)	A	Refer to the copy of CSF below for details
830.1800	Enforcement analytical method	484907-02	A	Refer to text below for details
A = Acceptable; N = Unacceptable (see Deficiency); N/A = Not Applicable; G = Data gap; I = In progress; U = Up-grade (additional information required);				



BARCODE: D390416; FILE SYMBOL No.: 83520-5; PRODUCT: Bifenthrin Technical

830 Series Subgroup B (Physical-Chemical Properties)

Table 2: Physical and Chemical Properties of: Axys USA LLC 98.5% TGA/MUP				
GLN	Requirement	MRID	Status	Result or Deficiency [Test substance; method]
830.6302	Color	46937802	A	White Hue: 5R Value: 9.25 Chroma: 0.5 [TGA/MUP; Munsell color designation]
830.6303	Physical state	46937802	A	Powder (at 25 °C) [TGA/MUP]
830.6304	Odor	46937802	A	Odorless at ambient temperature [TGA/MUP]
830.6313	Stability to normal and elevated temperatures, metals, and metal ions	46937802	A	Stable at ambient and elevated (54 °C) temperatures for 14 days; stable upon exposure to iron filings, iron acetate, aluminum rods, and aluminum acetate at ambient and elevated temperatures for 14 days.  The registrant noted some bias in the results (>100%) likely due to not using the internal standard enforcement method for quantitation of the al. [TGA/MUP; GC/FID]
830.6314	Oxidation/reduction: chemical incompatibility	46937802	A	Not reactive with deionized water, ammonium phosphate, powdered iron or ferric chloride; no visual signs of chemical reaction or significant temperature changes were observed. [TGA/MUP]
830.6315	Flammability	46937802	A	Flash point = 168.7 °C [TGA/MUP; Kohler Pensky-Martens closed cup flash point tester]
830.6316	Explosibility		NA	
830.6317	Storage stability		G	
830.6319	Miscibility		N/A	TGA/MUP is a solid at room temperature.
830.6320	Corrosion characteristics		G	
830.7000	pH	46937802	A	5.95 at 25 °C (1% aqueous suspension) [TGA/MUP]
830.7050	UV/Visible absorption	46937802	A	See Note 1
830.7100	Viscosity		N/A	TGA/MUP is a solid at room temperature.
830.7200	Melting point	46937802	A	71.1 °C [TGA/MUP]
830.7220	Boiling point		N/A	TGA is a solid at room temperature
830.7300	Density	46937802	A	Bulk density = 0.305 (pour) or 0.486 (tap) g/mL [TGA/MUP]
830.7370	Dissociation constants in water (DC)		G	
830.7570	Octanol/water partition coefficient	46937802	A	Log P = 5.8 [TGA/MUP; estimation by HPLC/UV; the registrant reported that the shake-flask method was N/A]
830.7840	Water solubility	46937802	A	<0.1 ppb at 25 °C [TGA/MUP; column elution method; HPLC/MS]
830.xxxx	Solvent solubility	46937802	A	At 25 °C: 79.30 g/100 mL acetone 64.99 g/100 mL xylene 5.74 g/100 mL n-octanol [TGA/MUP; shake flask method; GC/FID quantitation]
830.7950	Vapor pressure		W	Published data indicated extremely low pressure below guideline test methods

A = Acceptable; N = unacceptable (see Deficiency); N/A = Not Applicable; G = Data gap; I = In progress or need upgrade; U = Upgrade (additional information required); W = waivers

**BARCODE: D390416; FILE SYMBOL No.: 83520-5; PRODUCT: Bifenthrin Technical**

**Note 1. 830.7050 UV/visible absorption (spectrophotometer)**

Solvent	Absorption maxima, wavelength (nm) <sup>1</sup>	Molar Extinction Coefficient, $\epsilon$ (L/mol-cm)
Methanol (neutral)	212	39546
0.1 M HCl in methanol (acidic)	212	37543
0.1 M NaOH in methanol (basic)	218	63002

[TGA/MUP; spectrophotometry]

The registrant noted that the absorbance bands were not well resolved to accurately calculate bandwidths.

**830.1800. Enforcement Analytical Method: (MRID No. 46937802)**

The active ingredient bifenthrin was assayed using GC/FID method No. 482S02A-1. Identity of the active ingredient was confirmed by LC/MS.

**Analytical Method No. 482S02A-1 for determination of the active ingredient, bifenthrin**

GC operating conditions:

Instrument: Agilent 5890 GC

Detector: Flame ionization detection (FID)

Column: J&W DB-1 (30 m x 0.53 mm, 1.5  $\mu$ m  $d_i$ )

Oven temperature: 45 °C (hold 1 minute) to 200 °C at 25 °C/minute

200 °C (hold 4 minutes) to 300 °C at 5 °C/minute

Carrier gas: Helium at 5 mL/minute

Injection: 1.0  $\mu$ L; split

Calibration: External standard of bifenthrin with the internal standard, triphenyl phosphate.

Retention time: 2.9 minutes for bifenthrin (based on representative chromatograms)

Sample preparation: Technical samples are dissolved in ethyl acetate and mixed with the internal standard.

Adequate validation data were submitted reflecting accuracy, linearity, and precision.

Precision was demonstrated in the preliminary analysis study, where replicate samples were analyzed; coefficients of variance were 0.34-1.00%. Accuracy was determined in triplicate samples of the technical product (Batch BIFEN-060120) fortified with bifenthrin; recoveries ranged 98.36-98.92% with an average of 98.57%. Linearity was confirmed over a concentration range of 200 to 1,200  $\mu$ g/mL; the coefficient of determination ( $r^2$ ) was 0.9999. No interferences were observed in the test substance or blank solution chromatograms.

Conclusions: GC Method 482S02A-1 has been adequately validated and is acceptable for enforcement purposes.

830.1800 (enforcement analytical method)



**BARCODE: D390416; FILE SYMBOL No.: 83520-5; PRODUCT: Bifenthrin Technical**

The analytical methods employed to identify and quantify the active ingredient (Bifenthrin) and process related impurities in five batches of the product provided by the alternate producer [REDACTED] are as follows. The details are presented in MRID 484907-02. Detailed information concerning system suitability, specificity, linearity of response, and precision and accuracy of assay methods were provided for the determination of AI and all impurities.

**1. Identification and quantification the active ingredient:**

The identification for Active Ingredient of Test Item Bifenthrin TGA1 by the major chemical shift of the NMR spectrum and by the retention time, the major shape of the UV spectra and the major mass signals of the mass spectra was performed by using NMR, GC-MS, HPLC-DAD and HPLC-MS against Bifenthrin standard. The Active Ingredient in the five representative production batches was identified to be Bifenthrin.

The Bifenthrin TGA1 is dissolved in acetonitrile and separated on a ZORBAX SB-C8 reverse phase column. The content of Bifenthrin is measured by an HPLC-DAD detector with an external standard quantitative method.

Instrument:	Agilent 1100/1200 HPLC
HPLC Column:	ZORBAX SB-C8 250×4.6 mm, 5 micron
Mobile phase:	Acetonitrile/ water= 90:10
Column Temperature:	25°C
Sample size injected:	5.0 µl
Stop time:	7.00 min
Flow rate:	1.0 ml/min.
Signal Wavelength:	250 nm
Signal BW:	4 nm
Reference Wavelength:	360 nm
Reference BW:	100 nm
Store spectra:	None (190 nm – 400 nm, for validation of specificity)
Retention Time:	Bifenthrin      ca 5.9 min



**BARCODE: D390416; FILE SYMBOL No.: 83520-5; PRODUCT: Bifenthrin Technical**

When the instrument gets to equilibrium, inject the blank solution. Then, inject Standard solution, Quality Control solution and Sample Solutions in the following sequence: standard solution, QC solution, four times Sample Solution, standard solution. Determine the area of the Bifenthrin peak.

**2. Identification and quantification of the impurities:**

The identification for the Impurity I of Test Item Bifenthrin TGA1 by the retention time, the major shape of the UV spectra and the major mass signals of the mass spectra was performed by using HPLC-DAD and HPLC-MS respectively against corresponding analytical standard. The identification was confirmed for Impurity I in the Test Item and the corresponding analytical standard.

The identification for the Impurity II of Test Item Bifenthrin TGA1 by the retention time was performed by using HPLC-DAD respectively against corresponding analytical standard. The identification for the possible trans-isomers in Test Item Bifenthrin TGA1 by the major mass signals of the mass spectra was performed by using GC-MS.

The impurity I [REDACTED]  
[REDACTED]

The impurity II [REDACTED]  
[REDACTED]

The content of water in the product was determined by the Karl Fischer Method.  
[REDACTED]

**Confidential appendix**

Provide details for the following guidelines:

**BARCODE: D390416; FILE SYMBOL No.: 83520-5; PRODUCT: Bifenthrin Technical  
830.1600 (description of materials used to produce the product)**

\*Pages 12-14 Manufacturing process information may be entitled to confidential treatment\*

\*Manufacturing process information may be entitled to confidential treatment\*

**BARCODE: D390416; FILE SYMBOL No.: 83520-5; PRODUCT: Bifenthrin Technical**  
830.1670 (discussion on the formation of impurities)

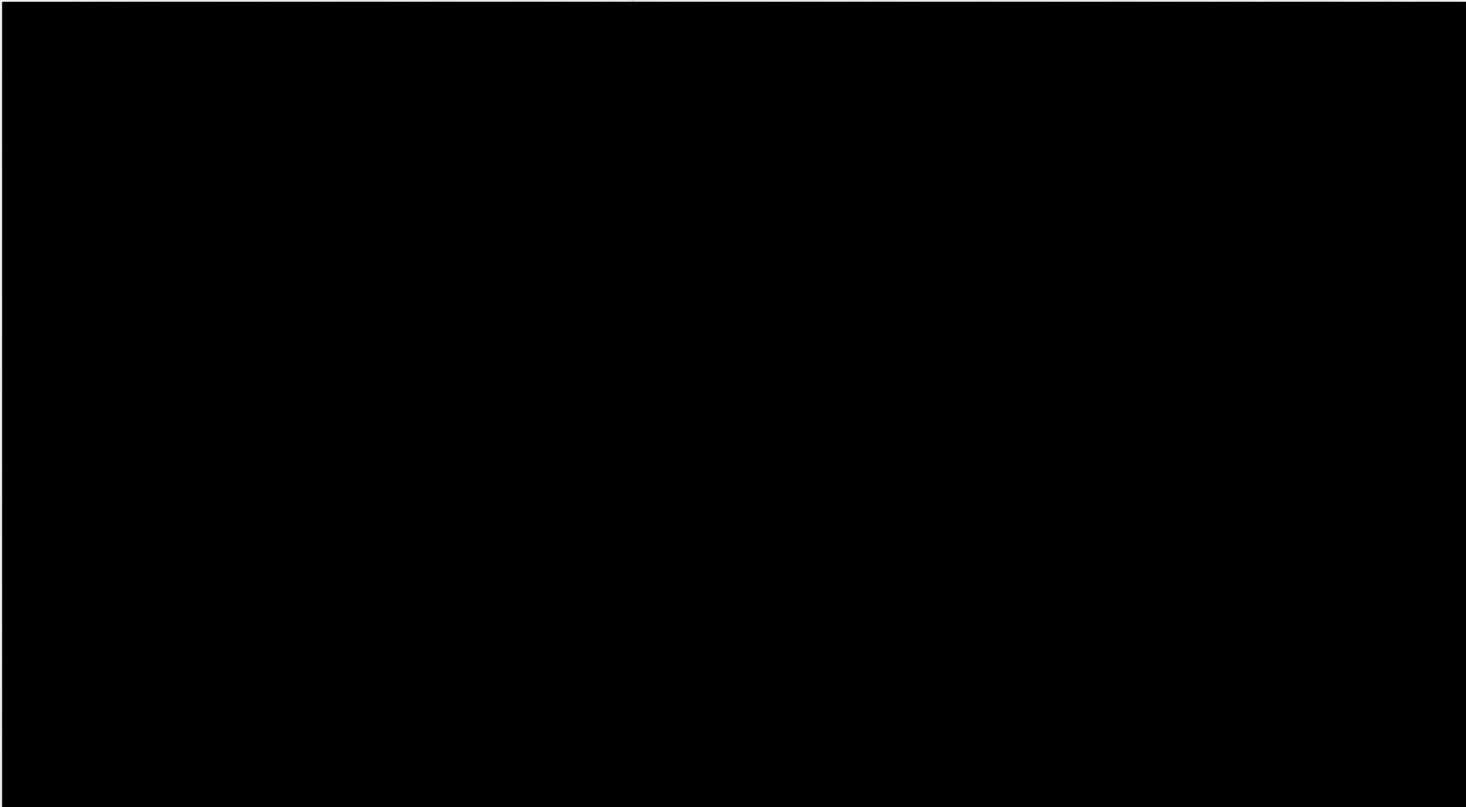
The registrant discussed the possibilities of impurities that could arise from unreacted starting materials, side reactions, impurities in the starting materials and respective reactions of those contaminants in details (MRID 484907-01). Of these potential impurities, only two major categories of impurities were identified in 5 representative batches of Bifenthrin Technical:

[REDACTED] No other sources of impurities, contaminants, products of decomposition, reaction with packaging materials, etc. have been detected.

In the last step of the formation of Bifenthrin Technical, [REDACTED]  
[REDACTED] in the 5 batches of Bifenthrin Technical.

830.1700 (preliminary analysis)

Five batches of Bifenthrin Technical obtained from the alternate manufacturing site were tested for Bifenthrin and impurities contents (MRID 484907-02). The results are shown below. The amount of TGAI in the product is in agreement with the lower and upper certified limits that are stated on the currently approved basic CSF (dated 09/08/2006).



\*Manufacturing process information may be entitled to confidential treatment\*

**BARCODE: D390416; FILE SYMBOL No.: 83520-5; PRODUCT: Bifenthrin Technical**  
830.1750 (certified limits)

The applicant proposed the same nominal and certified limits for the AI in the alternate CSF as those reported in the currently approved basic CSF dated 09/08/2006 (see the comparison results below). The certified upper and lower limits of the AI are within the range of the guideline OPPTS 830.1750 recommendation.

Chemical name	Basic CSF, Nominal % w/w	Current CSF Upper Limit	Yangcheng South Chemicals Co. Ltd. 5 Batch Analysis Average, % w/w (range)	Proposed Nominal Concentration for Alternate #1 CSF
Bifenthrin	98.5	100 (lower limit is 95.5%)	98.96 (98.8-99.3)	98.5

<sup>1</sup> The proposed upper limit is set at [REDACTED] to be consistent with the upper limit on the Basic CSF. This upper limit allows for manufacturing variability.

<sup>2</sup> The proposed upper limit is set at [REDACTED] to cover the range of values seen in the 5 batch analyses.

<sup>3</sup> Preliminary analyses accounted for greater than 99% (active ingredient plus impurities). This component is added to the CSF for 100% accountability.

The proposed alternate CSF (dated 05/20/2011) is shown below.



**DATA EVALUATION RECORD**

**BIFENTHRIN**  
(Bifenthrin Technical)

**STUDY TYPES:** Product Identity and Composition (OPPTS 830.1550)  
Description of Materials Used to Produce the Product (OPPTS 830.1600)  
Description of the Formulation Process (OPPTS 830.1650)  
Discussion of Formation of Impurities (OPPTS 830.1670)  
Preliminary Analysis (OPPTS 830.1700)  
Certified Limits (OPPTS 830.1750)  
Enforcement Analytical Method (OPPTS 830.1800)  
Physical and Chemical Characteristics (OPPTS 830.6302-830.7950)

**MRIDs 484907-01 and 484907-02**

Prepared for  
Registration Division  
Office of Pesticide Programs  
U.S. Environmental Protection Agency  
One Potomac Yard  
2777 South Crystal Drive  
Arlington, VA 22202

Prepared by  
Summitec Corporation  
9724 Kingston Pike, Suite 602  
Knoxville, Tennessee 37922

Task Order No. 3-A-104

Primary Reviewer:  
Maolian Chen, Ph.D.

Signature: Maolian Chen, AE  
Date: AUG 24 2011

Secondary Reviewers:  
Thomas C. Marshall, Ph.D., D.A.B.T.

Signature: Thomas C. Marshall, AE  
Date: AUG 24 2011

Robert Ross, M.S., Program Manager

Signature: Robert H. Ross  
Date: AUG 24 2011

Quality Assurance:  
Angie Edmonds, B.S.

Signature: Angie Edmonds  
Date: AUG 24 2011

**Disclaimer**

This review may have been altered subsequent to the contractor's signatures above.

Summitec Corporation for the U.S. Environmental Protection Agency under Contract No. EP-W-11-014



United States  
Environmental Protection Agency  
Washington, DC 20460

☐ Registration  
☒ Amendment  
☐ Other

OPP Identifier Number

**Application for Pesticide - Section I**

1. Company/Product Number 83520-5	2. EPA Product Manager R. Gebken	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Tacoma Ag, LLC/Bifenthrin Technical	PM# 10	
5. Name and Address of Applicant (Include ZIP Code) Tacoma Ag, LLC c/o Pyxis Regulatory Consulting Inc. 4110 136th St. NW Gig Harbor, WA 98332 <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____

**Section - II**

<input checked="" type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)

This amendment involves addition of an unregistered source of active ingredient to the Bifenthrin Technical registration. The application falls under Category R340 (54: Amendment requiring data review within RD) The fee of \$3,617.00 has been paid. The decision time line for this action is 4 months.

**Section - III**

1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input checked="" type="checkbox"/> Other (Specify) _____ LLDP lined HDPE or fiberboard drums
* Certification must be submitted			
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container	4. Size(s) Retail Container 265, 441, 1102 lb (120, 200, 500 kg)	5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____	

**Section - IV**


1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Ann M. Tillman	Title Agent	Telephone No. (Include Area Code) (253)-853-7369
<b>Certification</b> I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both, under applicable law.		6. Date Application Received (Stamped) ..... ..... .....
2. Signature 	3. Title Agent	
4. Typed Name Ann M. Tillman	5. Date 5/20/2011	

## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

401 M Street, S.W.  
WASHINGTON, D.C. 20460

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## DATA MATRIX

Date May 20, 2011			EPA Reg. No./File Symbol 83520-5		Page 1 of 7
Applicant's/Registrant's Name & Address Tacoma Ag, LLC P.O. Box 14073 Durham, NC 27709			Product Bifenthrin Technical		
Ingredient Bifenthrin (CAS No. 82657-04-3)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.1550	Product Identity and Composition	Volume 1 46937801	Tacoma Ag, LLC Tacoma Ag, LLC	OWN	
830.1600	Description of Materials Used to Produce the Product	Volume 1 46937801	Tacoma Ag, LLC Tacoma Ag, LLC	OWN	
830.1620	Description of Production Process	Volume 1 46937801	Tacoma Ag, LLC Tacoma Ag, LLC	OWN	
830.1650	Description of Formulation Process				Not required <sup>1</sup>
830.1670	Discussion of Formation of Impurities	Volume 1 46937801	Tacoma Ag, LLC Tacoma Ag, LLC	OWN	
830.1700	Preliminary Analysis	Volume 2 46937802	Tacoma Ag, LLC Tacoma Ag, LLC	OWN	
830.1750	Certified Limits	Volume 1 46937802	Tacoma Ag, LLC Tacoma Ag, LLC	OWN	
830.1800	Enforcement Analytical Method	Volume 2 46937802	Tacoma Ag, LLC Tacoma Ag, LLC	OWN	
830.6302	Color	46937802	Tacoma Ag, LLC	OWN	
830.6303	Physical State	46937802	Tacoma Ag, LLC	OWN	
Signature 			Name and Title Ann M. Tillman, Consultant		Date May 20, 2011

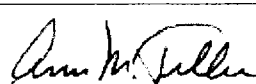
## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

401 M Street, S.W.  
WASHINGTON, D.C. 20460

05.25.11

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## DATA MATRIX

Date <b>May 20, 2011</b>			EPA Reg. No./File Symbol <b>83520-5</b>		Page <b>2</b> of 7
Applicant's/Registrant's Name & Address <b>Tacoma Ag, LLC P.O. Box 14073 Durham, NC 27709</b>			Product <b>Bifenthrin Technical</b>		
Ingredient <b>Bifenthrin (CAS No. 82657-04-3)</b>					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.6304	Odor	46937802	Tacoma Ag, LLC	OWN	
830.6313	Stability to Normal and Elevated Temperatures, Metals, and Metal Ions	46937802	Tacoma Ag, LLC	OWN	
830.6314	Oxidation/Reduction: Chemical Incompatibility	46937802	Tacoma Ag, LLC	OWN	
830.6315	Flammability	46937802	Tacoma Ag, LLC	OWN	
830.6316	Explosibility				See endnote <sup>2</sup>
830.6317	Storage Stability				See endnote <sup>3</sup>
830.6319	Miscibility				Not required <sup>4</sup>
830.6320	Corrosion Characteristics				See endnote <sup>3</sup>
830.6321	Dielectric Breakdown Voltage				Not required <sup>5</sup>
830.7000	pH	46937802	Tacoma Ag, LLC	OWN	
830.7050	UV/Visible Absorption	46937802	Tacoma Ag, LLC	OWN	
830.7100	Viscosity				Not required <sup>6</sup>
830.7200	Melting Point/Melting Range	46937802	Tacoma Ag, LLC	OWN	
830.7220	Boiling Point/Boiling Range				Not required <sup>7</sup>
830.7300	Density/Relative Density/Bulk Density	46937802	Tacoma Ag, LLC	OWN	
830.7370	Dissociation Constants in Water				Not required <sup>8</sup>
Signature 			Name and Title <b>Ann M. Tillman, Consultant</b>		Date <b>May 20, 2011</b>




## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

401 M Street, S.W.  
WASHINGTON, D.C. 20460

05.25.11

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## DATA MATRIX

Date May 20, 2011			EPA Reg. No./File Symbol 83520-5		Page 3 of 7
Applicant's/Registrant's Name & Address Tacoma Ag, LLC P.O. Box 14073 Durham, NC 27709			Product Bifenthrin Technical		
Ingredient Bifenthrin (CAS No. 82657-04-3)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.7520	Particle size, fiber length, diameter distribution				Waiver <sup>9</sup>
830.7550	Partition Coefficient (n-octanol/water), Shake Flask Method	46937802	Tacoma Ag, LLC	OWN	
830.7560	Partition Coefficient (n-octanol/water), Generator Column Method				See 830.7550
830.7570	Partition Coefficient (n-octanol/water), Estimation by Liquid Chromatography				See 830.7550
830.7840	Water Solubility: Column Elution Method; Shake Flask Method	46937802	Tacoma Ag, LLC	OWN	
830.7860	Water Solubility, Generator Column Method				See 830.7840
830.7950	Vapor Pressure				See endnote <sup>10</sup>
870.1100 (81-1)	Acute Oral Toxicity: Rat	Cite-All		PAY	
870.1200 (81-2)	Acute Dermal Toxicity: Rat	Cite-All		PAY	
870.1300 (81-3)	Acute Inhalation Toxicity: Rat	Cite-All		PAY	
870.2400 (81-4)	Primary Eye Irritation: Rabbit	Cite-All		PAY	
870.2500 (81-5)	Primary Dermal Irritation	Cite-All		PAY	
870.2600 (81-6)	Dermal Sensitization	Cite-All		PAY	
Signature 			Name and Title Ann M. Tillman, Consultant		Date May 20, 2011


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## DATA MATRIX

Date May 20, 2011		EPA Reg. No./File Symbol 83520-5		Page 4 of 7	
Applicant's/Registrant's Name & Address Tacoma Ag, LLC P.O. Box 14073 Durham, NC 27709		Product Bifenthrin Technical			
Ingredient Bifenthrin (CAS No. 82657-04-3)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
<b>Bifenthrin Product Specific and Generic Data Requirements</b>					
Tacoma Ag, LLC is using the cite-all option under the selective method to satisfy acute toxicity and generic data requirements. Tacoma Ag, LLC will make offers-to-pay to the following companies on the March 31, 2011 Data Submitters List for bifenthrin.					
		Cite-All	Nufarm Americas Inc.	PAY	
		Cite-All	The Scotts Company	PAY	
		Cite-All	FMC Corp. Agricultural Products Group	PAY	
		Cite-All	Bayer Environmental Science	PAY	
		Cite-All	The Scotts Company	PAY	
		Cite-All	McLaughlin Gormley King co.	PAY	
		Cite-All	Fuller System, Inc.	PAY	
		Cite-All	Winfield Solutions, LLC	PAY	
		Cite-All	Seregeant's Pet Care Products, Inc.	PAY	
		Cite-All	Aceto Agricultural Chemicals Corp.	PAY	
Signature 			Name and Title Ann M. Tillman, Consultant		Date May 20, 2011

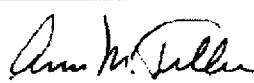
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## DATA MATRIX

Date <b>May 20, 2011</b>			EPA Reg. No./File Symbol <b>83520-5</b>		Page <b>5</b> of <b>7</b>
Applicant's/Registrant's Name & Address <b>Tacoma Ag, LLC P.O. Box 14073 Durham, NC 27709</b>			Product <b>Bifenthrin Technical</b>		
Ingredient <b>Bifenthrin (CAS No. 82657-04-3)</b>					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		Cite-All	S. C. Johnson & Son Inc.	PAY	
		Cite-All	Amvac Chemical Corp.	PAY	
		Cite-All	Helena Chemical Co.	PAY	
		Cite-All	Southern States Cooperative, Inc.	PAY	
		Cite-All	Nippon Soda Co. Ltd.	PAY	
		Cite-All	The Andersons Lawn Fertilizer Division	PAY	
		Cite-All	Sunniland Corp.	PAY	
		Cite-All	Chemisco	PAY	
		Cite-All	Lesco Inc.	PAY	
		Cite-All	Makhteshim Chemical Works, Ltd.	PAY	
		Cite-All	Loveland Products, Inc.	PAY	
		Cite-All	Howard Fertilizer & Chemical Co., Inc.	PAY	
		Cite-All	Albaugh Inc.	PAY	
		Cite-All	BASF Sparks LLC	PAY	
Signature 			Name and Title <b>Ann M. Tillman, Consultant</b>		Date <b>May 20, 2011</b>

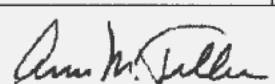
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Date <b>May 20, 2011</b>		EPA Reg. No./File Symbol <b>83520-5</b>		Page <b>6</b> of 7	
Applicant's/Registrant's Name & Address <b>Tacoma Ag, LLC P.O. Box 14073 Durham, NC 27709</b>		Product <b>Bifenthrin Technical</b>			
Ingredient <b>Bifenthrin (CAS No. 82657-04-3)</b>					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		Cite-All	Control Solutions, Inc.	PAY	
		Cite-All	Arizona Chemical Group Inc.	PAY	
		Cite-All	Pyrethroid Working Group	PAY	
		Cite-All	Makhteshim-Agan of North America, Inc.	PAY	
		Cite-All	Arysta Lifescience North America LLC	PAY	
		Cite-All	Spray Drift Task Force	PAY	
		Cite-All	Bengal Products Inc.	PAY	
		Cite-All	United Phosphorus Inc.	PAY	
		Cite-All	Outdoor Residential Exposure Task Force	PAY	
		Cite-All	Agricultural Reentry Task Force	PAY	
		Cite-All	Sapstain Industry Group (SIG)	PAY	
		Cite-All	Non-Dietary Exposure Task Force	PAY	
		Cite-All	Univar USA Inc.	PAY	
Signature 			Name and Title <b>Ann M. Tillman, Consultant</b>		Date <b>May 20, 2011</b>

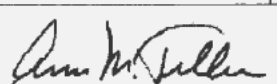
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Date <b>May 20, 2011</b>			EPA Reg. No./File Symbol <b>83520-5</b>		Page <b>7</b> of 7
Applicant's/Registrant's Name & Address <b>Tacoma Ag, LLC P.O. Box 14073 Durham, NC 27709</b>			Product <b>Bifenthrin Technical</b>		
Ingredient <b>Bifenthrin (CAS No. 82657-04-3)</b>					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		Cite-All	FIFRA Endangered Species Task Force LLC	PAY	
		Cite-All	Residential Exposure Joint Venture	PAY	
		Cite-All	Atex, Inc.	PAY	
		Cite-All	Agricultural Handlers Exposure Task Force	PAY	
		Cite-All	Osmose Utilities Services, Inc.	PAY	
		Cite-All	Ensystex II, Inc.	PAY	
		Cite-All	J. Oliver Products LLC	PAY	
		Cite-All	Ensystex IV, Inc.	PAY	
		Cite-All	Generic Endangered Species Task Force LLC	PAY	
Signature 			Name and Title <b>Ann M. Tillman, Consultant</b>		Date <b>May 20, 2011</b>

## Endnotes for Data Matrix for Bifenthrin Technical

- <sup>1</sup> **830.1650** – Per OPPTS 830.1000, these data are not required for the registration of a technical product. See 830.1620 for production information.
- <sup>2</sup> **830.6315** – **Explosibility**: Not applicable. Product is not potentially explosive.
- <sup>3</sup> **830.6317, 830.6320** – **Storage Stability, Corrosion Characteristics**: Will be submitted upon completion.
- <sup>4</sup> **830.6319** – **Miscibility**: Not applicable. Product is not intended for dilution with petroleum solvents.
- <sup>5</sup> **830.6321** – **Dielectric Breakdown Voltage**: Not applicable. Product is not intended for use around electrical equipment.
- <sup>6</sup> **830.7100** – **Viscosity**: Not required because product is a solid.
- <sup>7</sup> **830.7220** – **Boiling Point**: Not required for solids.
- <sup>8</sup> **830.7370** – **Dissociation Constant**: Not required. The product does not dissociate.
- <sup>9</sup> **830.7520** – **Particle size, fiber length, diameter distribution**: Not required because product is not insoluble or a fibrous material.
- <sup>10</sup> **830.7950** – **Vapor Pressure**: Published literature indicates that the vapor pressure is below any of the guideline test methods. Therefore it is not possible to determine an accurate reading.



## **Memorandum**

Date: 5 / 27 / 11

To: PM 13, Regulatory Manager

From: Information Services Branch, ITRMD

Your receipt of this data submission is not an indication that MRIDs for the enclosed studies have been posted to OPPIN.

**We expect that it will be approximately 5 days from the above date before the study-level data is available in OPPIN.**

If you have any questions about this process, please contact Teresa Downs (305-5363).

This is a: ☒ fully accepted submission  
☐ partially accepted submission  
☐ rejected submission



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

May 26, 2011

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

JANE M. MILLER  
BIOLOGIC, INC.  
TACOMA AG, LLC  
115 OBTUSE HILL ROAD  
BROOKFIELD, CT 06804-

Report of Analysis for Compliance with PR Notice 86-5

Thank you for your submittal of 25-MAY-11. Our staff has completed a preliminary analysis of the material. The results are provided as follows:

Your submittal was found to be in full compliance with the standards for submission of data contained in PR Notice 86-5. A copy of your bibliography is enclosed, annotated with Master Record ID's (MRIDs) assigned to each document submitted. Please use these numbers in all future references to these documents. Thank you for your cooperation. If you have any questions concerning this data submission, please raise them with the cognizant Product Manager, to whom the data have been released.



# Receipt for Section 3

S: 896630

Resubmission: ☐ Yes ☒ No

Regulatory Type: Product Registration - Section 3

Fee For Service: ☐ Yes ☒ No

Application Type: Amendment

Billable: ☒ Yes ☐ No

Print Letter

Enter More Information

Tracking

Company: 83520 TACOMA AG, LLC

V

Risk Manager: Registration Division, Risk Management Team 13

Product #: 83520-5 Product Name: BIFENTHRIN TECHNICAL

Overrides:

Me Too Section3: Me Too Product Name:

Application Date: 20-May-2011

OPP Rec'd Date: 25-May-2011

Front End Date: 25-May-2011

Risk Manager Send Date:

FFS Due Date:

Negotiated Due Date:

OPP Target Date:

Fast Track: ☐

New Ingredient: ☐

Receipt Description:

CSF amendment

New Ingredient

Request Date:

New Ingredient

Received Date:

Form A: ☐

Signature Date:

Form B: ☐

Signature Date:

Receipt Content

Des

Study

CSF

View/Edit

4110 136<sup>th</sup> St. NW  
Gig Harbor, WA 98332

Phone: 253-853-7369  
Fax: 253-853-5516  
www.PyxisRC.com

May 20, 2011

OVERNIGHT DELIVERY

Richard Gebken (PM 10)  
Document Processing Desk (REGFEE)  
Office of Pesticide Programs (7504P)  
U.S. Environmental Protection Agency  
Room S-4900, One Potomac Yard  
2777 S. Crystal Drive  
Arlington, VA 22202

RE: Tacoma Ag, LLC  
Bifenthrin Technical (EPA Reg. No. 83520-5)  
Application for Alternate Source of Supply  
PRIA Category R340

Dear Mr. Gebken,

On behalf of Tacoma Ag, LLC, we are submitting an application for a new source of supply of Bifenthrin Technical (EPA Reg. No. 83520-5). In support of this application, we submit the following documents.

1. Application for a New Pesticide Registration (EPA Form 8570-1)
2. Confidential Statement of Formula (EPA Form 8570-4) for Alternate Formulation #1 (please note that a courtesy copy of the approved Basic CSF dated 9/8/2006 is enclosed; we took this opportunity to revise the CSF for the current name and address of the registrant and corrected the CAS Number for one of the impurities)
3. Certification with Respect to Citation of Data (EPA Form 8570-34)
4. Agency Internal Use Copy of the Data Matrix
5. Public File Copy of the Data Matrix
6. Copy of PRIA payment
7. Letter of Authorization
8. Product Specific Data (3 copies of each report):

48490701

Volume 1	830.1550, 830.1600, 830.1620, 830.1670, 830.1750	Tillman, A. M. Product Identity and Composition, Description of the Materials Used, Description of the Production Process, Discussion of the Formation of Impurities, and Certified Limits for Bifenthrin Technical. <b><i>Contains Confidential Business Information.</i></b>
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48490702

Volume 2	830.1700, 830.1800	Li., H. Preliminary Analysis and Enforcement Analytical Method of Bifenthrin TGAI – Validation of Analytical Methodology for the Assay of Active Ingredient and Related Significant Impurities and Subsequent 5-Batch Analysis of Bifenthrin TGAI. <b><i>Contains Confidential Business Information.</i></b>
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No change to the current labeling is required as the nominal concentration of the active ingredient does not change.

We would like to note that Tacoma Ag, LLC is using the cite-all within the selective method of support. Tacoma Ag, LLC submitted notices of intent to apply and offers to pay to all companies on the March 31, 2011 Data Submitter's List. Tacoma Ag, LLC believes that this action falls under PRIA category R340 (54: Amendment requiring data review) because it involves a new source for this active ingredient. The fee for this action which was paid is \$3,617.00. The decision timeline is 4 months.

We trust you will find this application complete. However, please feel free to contact me ((253) 853-7369, [Ann@PyxisRC.com](mailto:Ann@PyxisRC.com)) if you have any questions or need any additional information.

Sincerely,



Ann M. Tillman

Enclosures



# PRIA 2 – 21 Day Content Screen Review Worksheet

(EPA/OPP Use Only)

3/23/09

21 Day Screen Start Date: 5-25-11

Experts In-Processing Signature: M F Harrington Date 5-26-11 Fee Paid: Yes ☒

Division management contacted on issues No ☐ Yes ☐ Date \_\_\_\_\_

EPA Reg. Number: <u>83520-5</u>		EPA Receipt Date: <u>5-25-11</u>				
Items for Review				Yes	No	N/A*
1	<b>Application Form</b> (EPA Form 8570-1)(link to form) signed & complete including package type			X		
2	<b>Confidential Statement of Formula</b> all boxes completed, form signed, and dated (EPA Form 8570-4) (Link to form)			X		
	a) All inerts (link to <a href="http://www.epa.gov/opprd001/inerts/">http://www.epa.gov/opprd001/inerts/</a> ), including fragrances, approved for the proposed uses (see Footnote A) <i>(No inerts for review)</i>	yes	no			
3	<b>Certification with Respect to Citation of Data</b> (EPA Form 8570-34) (Link to form) completed and signed (N/A if 100% repack)			X		
	Certificate and data matrix consistent			X		
	If applicant is relying on data that are compensable, is the offer to pay statement included. (see Footnote B)	yes	no			
	If applicable, is there a letter of Authorization for exclusive use only.					
4	<b>Formulator's Exemption Statement</b> (EPA Form 8570-27) (Link to form) completed and signed (N/A if source is unregistered or applicant owns the technical)					X
	<b>Data Matrix</b> (EPA Form 8570-35) (Link to form) both internal and external copies (PR 98-5) (Link to PR 98-5) completed and signed (N/A if 100% repack)			X		
5	a) Selective Method (Fee category experts use)	yes	no			
	b) Cite-All (Fee category experts use)	X				
	c) Applicant owns all data (Fee category experts use)					
6	<b>5 Copies of Label</b> (link to <a href="http://www.epa.gov/oppfead1/labeling/lrm/">http://www.epa.gov/oppfead1/labeling/lrm/</a> ) (Electronic labels on CD are encouraged and guidance is available)( link to <a href="http://www.epa.gov/pesticides/regulating/registering/submissions/index.htm#labels">http://www.epa.gov/pesticides/regulating/registering/submissions/index.htm#labels</a> )				X	



7	Is the data package consistent with PR Notice 86-5 (link to PRN 86-5)	X		
8	Notice of Filing (link to <a href="http://www.epa.gov/pesticides/regulating/tolerance_petitions.htm">http://www.epa.gov/pesticides/regulating/tolerance_petitions.htm</a> ) included with petitions (link to <a href="http://www.epa.gov/pesticides/regulating/tolerances.htm">http://www.epa.gov/pesticides/regulating/tolerances.htm</a> )			X
9	If applicable for conventional applications, reduced risk rationale (link to <a href="http://www.epa.gov/opprd001/workplan/reducedrisk.html">http://www.epa.gov/opprd001/workplan/reducedrisk.html</a> )			X
10	Required Data (link to <a href="http://www.epa.gov/pesticides/regulating/data_requirements.htm">http://www.epa.gov/pesticides/regulating/data_requirements.htm</a> ) and/or data waivers. See Footnote C.			
	a) List study (or studies) not included with application			



Comments:

- studies passed 86-5 review.
- No inerts for review, only active and impurities.
- CSF amendment is passed.

86-5 review - Passed  
Amendment - Passed

J.S/08-1-11

MRID 484907

\* N/A – Not Applicable

Footnotes

A. During the 21 day initial content review, all CSFs will be reviewed to determine whether all inerts listed, including fragrances, are approved for the proposed uses. If an unapproved inert is identified, the applicant must either 1) resolve the inert issue by, for example, removing the inert, substituting it with an approved inert, submitting documentation that EPA approved the inert for the proposed pesticidal uses, correcting mistakes on the CSF, etc. or 2) provide the data to support OPP approval of the inert or 3) withdraw the application. Removing or substituting an inert ingredient will require a new CSF and may require submission of data. All information, forms, data and documentation resolving the inert issue must have been received by the Agency or the application withdrawn within the 21 day period, otherwise, the Agency will reject the application as described below.

To successfully complete this aspect of the 21 day initial content screen, applicants are **strongly encouraged** to verify that all inert ingredients have been approved for the application's uses **even if a product is currently registered** by consulting the inert Web



site [link to <http://www.epa.gov/oppr001/inerts/lists.html>] and if the inert is not approved, to **obtain the necessary inert approval prior to submitting an application to register a pesticide product containing that inert ingredient**. Some inert ingredients are no longer approved for food uses or certain types of uses. The name and/or CAS number on a CSF must match the name and CAS number on this web site. Simple typographical errors in the name or CAS number have resulted in processing delays.

If an inert is not listed on the inert ingredient web site and the applicant believes that the inert has been approved, the applicant should contact the Inert Ingredient Assessment Branch (IIAB) at [inertsbranch@epa.gov](mailto:inertsbranch@epa.gov) and resolve the issue. Copies of the correspondence with IIAB resolving the issue should accompany the application. All new inerts except PIP inerts are reviewed by IIAB. The IIAB should also be contacted for any questions on what supporting data needs to be submitted for and the Agency's inert review process. Questions on PIP inerts should be directed to the Chief of Microbial Pesticides Branch [Link to [http://www.epa.gov/oppbpd1/biopesticides/contacts\\_bppd.htm](http://www.epa.gov/oppbpd1/biopesticides/contacts_bppd.htm)].

When a brand, trade, or proprietary name of an inert ingredient is listed on a CSF, additional information such as an alternate name of the inert, CAS number or other information [link to <http://www.epa.gov/oppr001/inerts/tips.pdf>] must also be included to enable the Agency to determine if it has been approved. Each component of an inert mixture (including a fragrance) must be identified. In some cases, the supplier of the mixture or fragrance may need to provide this information to the Agency. Prior to the Agency's receipt of an application, applicants must arrange with a proprietary mixture or fragrance supplier to provide the component information to the Agency or promptly upon EPA's request. If the inert ingredients in a proprietary blend (including fragrances) cannot or are not identified or provided within the 21-day content review period, the Agency will reject the application.

During the 21 day content review, applicants should submit information to the individual identified by the Agency when the applicant is informed of an unapproved inert.

### **Unapproved Inerts Identified on CSFs**

#### **All applications except conventional new products and PIPs**

Once an unapproved inert is identified on a CSF, the Agency will contact the applicant with the following options:

1. Correct the application by, for instance, correcting the inert's identity or CAS number, providing documentation that the inert has been approved, or removing the unapproved inert from the CSF or replacing it with one that is approved for the application's uses; or
2. Submit the information and data needed for the Agency to approve the unapproved inert. If this option is selected and implemented, the Agency may request an extension in the PRIA decision review timeframe to accommodate the inert review/approval process;

3. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of these options is selected and implemented by the applicant within the 21 day content review period, the Agency will reject the application and retain 25% of the full fee of the category identified.

#### Conventional New Product Applications

When the Registration Division identifies an unapproved inert on a CSF with an application for a new product that the applicant has not identified as requiring an inert approval (R311, R312 or R313), it will contact the applicant with the following options:

1. Correct the application by, for instance, correcting the inert's identity or CAS number, providing documentation that the inert has been approved, or removing the unapproved inert from the CSF or replacing it with one that is approved for the application's uses; or
2. Submit the information and data needed for the Agency to approve the unapproved inert, including any required petition to establish or amend a tolerance or exemption from a tolerance. (This option may change the PRIA category for the application, which could require a longer decision review time and a larger fee. If additional fees are due, they must be received by the Agency within the 21 day content review period.)
3. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of the above options is selected and implemented during the 21-day content-review period, the Agency will reject the application and retain 25% of the appropriate fee for the new product-inert approval category.

#### PIP Applications

When the Biopesticide and Pollution Prevention Division identifies an unapproved inert on a PIP CSF and a request to approve the inert does not accompany the application, it will contact the applicant with the following options:

1. Correct the application by, for instance, correcting the spelling or name of the inert to that in 40 CFR 174, or providing documentation that the inert has been approved; or
2. Submit the information and data needed for the Agency to approve the unapproved inert. If an inert ingredient tolerance exemption petition is required, the petition must be received by the Agency and the B903 fee paid within the 21 day period. If this option is selected and implemented, the Agency will discuss harmonizing the timeframe for both actions.





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

May 26, 2011

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

OPP Decision Number: D-449634  
EPA File Symbol or Registration Number: 83520-5  
Product Name: BIFENTHRIN TECHNICAL  
EPA Receipt Date: 25-May-2011  
EPA Company Number: 83520  
Company Name: TACOMA AG, LLC

JANE M. MILLER  
BIOLOGIC, INC.  
TACOMA AG, LLC  
115 OBTUSE HILL ROAD  
BROOKFIELD, CT 06804-

SUBJECT: Receipt of Registration Amendment Subject to Registration Service Fee

Dear Registrant:

The Office of Pesticide Programs has received your amendment and certification of payment. If you submitted data with this application, the results of the PRN-86-5 screen will be communicated separately. During the administrative screen, the Office of Pesticide Programs has determined that this Action is subject to a Pesticide Registration Service Fee as defined in the Pesticide Registration Improvement Act.

The Action has been identified as Action Code: R340

NON-FAST-TRACK (INCLUDES CHANGES TO PRECAUTIONARY LABEL  
STATEMENTS;SOURCE CHANGES TO AN UNREGISTERED SOURCE);

No additional payment is due at this time.

If you have any questions, please contact the Pesticide Registration Service Fee  
Ombudsman at (703) 308-9362.

Sincerely,

A handwritten signature in cursive script, appearing to read "Jane M. Miller", is written over the typed name.

Front End Processing Staff  
Information Technology & Resources Management Division



# Fee for Service

my  
{896630'~

This package includes the following

☐ New Registration

☒ Amendment

☒ Studies? ☐ Fee Waiver?

☐ volpay % Reduction: \_\_\_\_

for Division

☐ AD

☐ BPPD

☒ RD

Risk Mgr. 13

Receipt No.

S-

896630

EPA File Symbol/Reg. No.

83520-5

Pin-Punch Date:

5/25/2011

☐ This item is NOT subject to FFS action.

## Action Code:

Requested: R340

Granted: R340

Amount Due: \$ 3,617

## Parent/Child Decisions:

☒ Inert Cleared for Intended Use



Uncleared Inert in Product

Reviewer: Steve Schaub

Date: 5/26/11

Remarks:

Receipt for Section 3

S: 896630

Resubmission: ☐ Yes ☒ No

Regulatory Type: Product Registration - Section 3

Fee For Service: ☐ Yes ☒ No

Application Type: Amendment

Billable: ☒ Yes ☐ No

Company: 83520 TACOMA AG, LLC

V

Risk Manager: Registration Division, Risk Management Team 13

Product #: 83520-5

Product Name: BIFENTHRIN TECHNICAL

Override#:

Me Too

Me Too

Section3:

Product Name:

Application Date: 20-May-2011

OPP Rec'd Date: 25-May-2011

Front End Date: 25-May-2011

Risk Manager Send Date:

FFS Due Date:

Negotiated Due Date:

OPP Target Date:

Fast Track: ☐

New Ingredient: ☐

Receipt Description:

CSF amendment

Form A: ☐

Signature Date:

Form B: ☐

Signature Date:

New Ingredient

Request Date:

New Ingredient

Received Date:

Receipt Content

Des

Study

CSF

< >

View/Edit

Print Letter

Enter More Information

Tracking

## Ross Gilbert

---

**From:** paygovadmin@mail.doc.twai.gov  
**Sent:** Thursday, May 19, 2011 6:00 AM  
**To:** Ross Gilbert  
**Subject:** Pay.Gov Payment Confirmation

THIS IS AN AUTOMATED MESSAGE. PLEASE DO NOT REPLY.

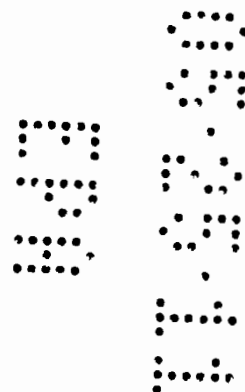
Your transaction has been successfully completed.

### Transaction Summary

Application Name: PRIA Service Fees  
Pay.gov Tracking ID: 253D2KH1  
Agency Tracking ID: 74202567202  
Transaction Type: Sale  
Transaction Date: May 19, 2011 9:00:18 AM

Account Holder Name: Kevin M. Howard  
Transaction Amount: \$3,617.00  
Billing Address: P.O. Box 14073  
City: Durham  
State/Province: NC  
Zip/Postal Code: 27709  
Country: USA  
Card Type: MasterCard  
Card Number: \*\*\*\*\*5284

Decision Number:  
Registration Number: 83520-5  
Company Name: Tacoma Ag LLC  
Company Number: 83520  
Action Code: R340



PYXIS REGULATORY CONSULTING, INC.

4110 136<sup>th</sup> St. NW  
Gig Harbor, WA 98332

Phone: 253-853-7369  
Fax: 253-853-5516  
www.PyxisRC.com

May 20, 2011

OVERNIGHT DELIVERY

Richard Gebken (PM 10)  
Document Processing Desk (REGFEE)  
Office of Pesticide Programs (7504P)  
U.S. Environmental Protection Agency  
Room S-4900, One Potomac Yard  
2777 S. Crystal Drive  
Arlington, VA 22202

RE: Tacoma Ag, LLC  
Bifenthrin Technical (EPA Reg. No. 83520-5)  
Application for Alternate Source of Supply  
PRIA Category R340

Dear Mr. Gebken,

On behalf of Tacoma Ag, LLC, we are submitting an application for a new source of supply of Bifenthrin Technical (EPA Reg. No. 83520-5). In support of this application, we submit the following documents.

1. Application for a New Pesticide Registration (EPA Form 8570-1)
2. Confidential Statement of Formula (EPA Form 8570-4) for Alternate Formulation #1 (please note that a courtesy copy of the approved Basic CSF dated 9/8/2006 is enclosed; we took this opportunity to revise the CSF for the current name and address of the registrant and corrected the CAS Number for one of the impurities)
3. Certification with Respect to Citation of Data (EPA Form 8570-34)
4. Agency Internal Use Copy of the Data Matrix
5. Public File Copy of the Data Matrix
6. Copy of PRIA payment
7. Letter of Authorization
8. Product Specific Data (3 copies of each report):

Volume 1	830.1550, 830.1600, 830.1620, 830.1670, 830.1750	Tillman, A. M. Product Identity and Composition, Description of the Materials Used, Description of the Production Process, Discussion of the Formation of Impurities, and Certified Limits for Bifenthrin Technical. <b><i>Contains Confidential Business Information.</i></b>
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Volume 2	830.1700, 830.1800	Li., H. Preliminary Analysis and Enforcement Analytical Method of Bifenthrin TGAI – Validation of Analytical Methodology for the Assay of Active Ingredient and Related Significant Impurities and Subsequent 5-Batch Analysis of Bifenthrin TGAI. <b><i>Contains Confidential Business Information.</i></b>
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No change to the current labeling is required as the nominal concentration of the active ingredient does not change.

We would like to note that Tacoma Ag, LLC is using the cite-all within the selective method of support. Tacoma Ag, LLC submitted notices of intent to apply and offers to pay to all companies on the March 31, 2011 Data Submitter's List. Tacoma Ag, LLC believes that this action falls under PRIA category R340 (54: Amendment requiring data review) because it involves a new source for this active ingredient. The fee for this action which was paid is \$3,617.00. The decision timeline is 4 months.

We trust you will find this application complete. However, please feel free to contact me ((253) 853-7369, [Ann@PyxisRC.com](mailto:Ann@PyxisRC.com)) if you have any questions or need any additional information.

Sincerely,



Ann M. Tillman

Enclosures





**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
**401 M Street, S.W.**  
**WASHINGTON, D.C. 20460**

**Paperwork Reduction Act Notice:** The public reporting burden for this collection of information is estimated to average 1.25 hours per response for registration and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the completed form to this address.

**Certification with Respect to Citation of Data**

Applicant's/Registrant's Name, Address, and Telephone Number Tacoma Ag, LLC c/o Pyxis Regulatory Consulting 4110 136th St. NW Gig Harbor, WA 253853-7369	EPA Registration Number/File Symbol 83520-5
Active Ingredient(s) and/or representative test compound(s) Bifenthrin	Date 5/20/2011
General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158) TGAI	Product Name Bifenthrin Technical

**NOTE:** If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statement (EPA Form 8570-27).

☐ I am responding to a Data-Call-In Notice, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

**SECTION I: METHOD OF DATA SUPPORT (Check one method only)**

☐ I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

☒ I am using the selective method of support (or cite-all option under the selective method), and have included with this form a completed list of data requirements (the Data Matrix form must be used).

**SECTION II: GENERAL OFFER TO PAY**

[Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements]

☒ I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application, to the extent required by FIFRA.

**SECTION III: CERTIFICATION**

I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for reregistration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, or one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses.

I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.

I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (i) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

I certify that the statements I have made on this form and all attachments to it are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature

*Ann M. Tillman*

Date

5/20/2011

Typed or Printed Name and Title

Ann M. Tillman, Agent



P.O. Box 14073  
Durham, NC 27709  
970.590.1949

09.06.2010

To Whom It May Concern:

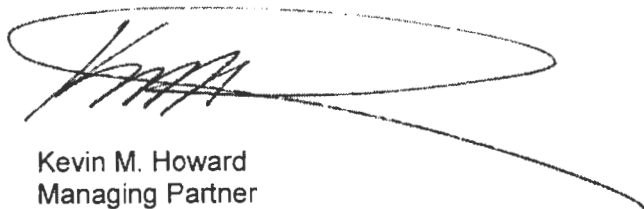
RE: Letter of Authorization

Dear Sir or Madam:

Please let this letter serve to confirm that Pyxis Regulatory Consulting, Inc. is authorized to act as agents for Tacoma Ag, LLC (EPA Company Number 83520), before the U.S. Environmental Protection Agency and state governmental agencies all matters regarding our pesticide registrations pursuant to the Federal insecticide, Fungicide and Rodenticide Act ("FIFRA"), 7 U.S.C. 5 136 et seq. and state law.

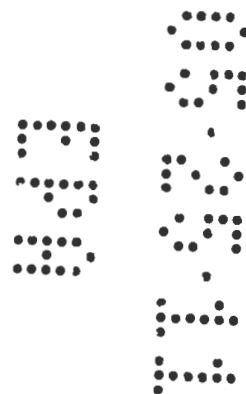
If you have any questions, please do not hesitate to contact me.

Sincerely,



Kevin M. Howard  
Managing Partner

cc: Pyxis Regulatory Consulting, Inc.





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

January 11, 2010

Jane M. Miller  
Agent for Axss USA, LLC  
115 Obtuse Hill  
Brookfield, Connecticut 06804

Subject: Amendment: Adding additional uses (bushberries, eggplant, garden beet roots & tops, leafy petiole vegetables, peppers (bell & non-bell) and tomato)  
Bifenthrin Technical  
EPA Reg. No. 83520-5  
Your Submission Dated September 30, 2009

Dear Ms. Miller:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable. A stamped copy of the label is enclosed for your records.

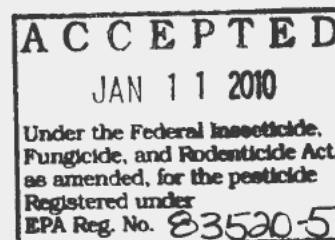
If you have any questions regarding this action, please contact BeWanda Alexander at [Alexander.bewanda@epa.gov](mailto:Alexander.bewanda@epa.gov) or (703) 305-7460.

Sincerely,

A handwritten signature in cursive script that reads "BeWanda Alexander for".

Richard Gebken  
Interim Product Manager 13  
Insecticide Branch  
Registration Division (7505P)

Enclosure



# Bifenthrin Technical

## For Manufacturing Use Only

### Active Ingredient:

Bifenthrin: (2-methyl)[1,1<sup>1</sup>-Biphenyl]-3-yl)methyl-3-(2-chloro-3,3,3-trifluoro-1-Propenyl)-2,2-Dimethyl Cyclopropane Carboxylate.....98.5%

Other Ingredients:..... 1.5%

TOTAL.....100.0%

Cis isomers 97% minimum, trans isomers 3% maximum

KEEP OUT OF REACH OF CHILDREN

## WARNING/AVISO

<b>FIRST AID</b>	
<b>If Swallowed:</b>	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
<b>If on Skin or Clothing:</b>	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
<b>If Inhaled:</b>	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
<b>If in Eyes:</b>	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center for treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may contact 1-800-222-1222 for emergency medical treatment information.	

EPA Reg. No. 83520-5

EPA Est. No. XXXXX-XXX-XXX

Net Weight:

Manufactured by:  
Axss USA, LLC  
6600 West 20th St. Suite 26  
Greeley, CO 80634



## **PRECAUTIONARY STATEMENTS**

### **Hazards to Humans and Domestic Animals**

May be fatal if swallowed. Harmful if inhaled or absorbed through skin. Causes moderate eye irritation. Avoid breathing vapor or spray mist. Avoid contact with skin, eyes, or clothing. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling, and before eating, drinking, or using tobacco. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals,

### **ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish and aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the Environmental Protection Agency.

### **PHYSICAL AND CHEMICAL HAZARDS**

Do not use or store near heat or open flame.

### **DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

This material requires further mixing before use.

### **ONLY FOR FORMULATION INTO AN INSECTICIDE/MITICIDE FOR:**

#### **(1) The following uses:**

**Terrestrial Food/Feed Crops:** Bananas (import only), Bushberries, Caneberries, Canola, Cilantro, Citrus, Cotton, Crambe, Cucurbits, Eggplant, Field Corn (Grain and Sillage), Field Corn Grown for Seed, Sweet Corn, Sweet Corn Grown for Seed, Fruiting Vegetables, Garden Beet Roots and Tops, Globe Artichokes, Grapes, Herbs, Hops, Dried Peas and Beans, Succulent Peas and Beans, Head and Stem Brassica Vegetables, Leafy Brassica Greens, Leafy Petiole Vegetables, Legume Vegetables, Lettuce (Head), Mayhaw, Okra, Turnip Greens, Tuberous and Corm Vegetables, Peanuts, Pears, Peppers (bell and non-bell), Popcorn, Root Crops (except sugar beets), Rapeseed, Soybeans, Spinach, Strawberries, Tobacco, Tomato, Tree Nuts.

#### **Terrestrial Non-Food:**

Termiticide and Soil Contact Nonfumigation Treatment  
Wood Treatment and Protection  
Outdoor Insect Control  
Ornamental Plants, Trees, Shrubs, and Vines (Woody)  
Christmas Trees  
Conifer Seed Orchards  
Greenhouse Grown Ornamental Trees, Shrubs, Plants, Flowers  
Non-Bearing Fruit and Nut Trees  
Residential Lawns  
Indoor Insect Control



**Food Handling Establishments:** Places other than private residences in which food is held, processed, prepared or served.

(2) Uses for which U.S. EPA has accepted the required data and/or citation of data that the formulator has submitted in support of registration; and

(3) Uses for experimental purposes that are in compliance with U.S. EPA requirements.

Formulators using this product to formulate an end-use pesticide product are responsible for obtaining an EPA registration for their end-use product.

#### **STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

**Pesticide Storage:** Store in original container, in a cool dry locked area. Store separately from other pesticides, fertilizers, food or feed to prevent contamination. In case of spill or broken container, call Chemtrec at 1-800-424-9300.

**Pesticide Disposal:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional office for guidance.

**Container Disposal:** Nonrefillable container. Do not reuse or refill container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into formulation equipment. Then offer for recycling if available or dispose of liner in a sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. **Fiber Drum:** Offer for recycling if available or dispose of container in a sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. **Metal Drum:** Offer for recycling or reconditioning, if appropriate, or puncture and dispose of container in a sanitary landfill, or by other procedures approved by state and local authorities.

#### **CONDITIONS OF SALE AND LIMITATION OF WARRANTY**

Axss USA, LLC warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for the purposes stated on such label only when used in accordance with the directions under normal use conditions. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Axss USA, LLC. To the extent consistent with applicable law, Axss USA, LLC shall not be liable for consequential, special or indirect damages resulting from the use or handling of this product. The exclusive remedy of any Buyer or User of this product and any and all losses, injuries, or damages resulting from or in any way arising from the use, handling, or application of this product, whether in contract, warranty, tort negligence, strict liability, or otherwise, shall not exceed the purchase price of this product. All such risks shall be assumed by the Buyer. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, AXSS USA, LLC MAKES NO WARRANTIES OR MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE NOR ANY OTHER EXPRESSED OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

October 14, 2009

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

BIOLOGIC, INC.  
AXSS USA, LLC  
115 OBTUSE HILL ROAD  
BROOKFIELD, CT 06804-

PRODUCT NAME: BIFENTHRIN TECHNICAL  
COMPANY NAME: AXSS USA, LLC  
OPP IDENTIFICATION NUMBER:  
EPA FILE SYMBOL: 83520-5  
EPA RECEIPT DATE: 10/13/09

SUBJECT: RECEIPT OF AMENDMENT

DEAR REGISTRANT:

The Office of Pesticide Programs has received your application for an amendment and it has passed an administrative screen for completeness.

During the initial screen we determined that the application appears to qualify for fast track review. The package will now be forwarded to the Product Manager for review to determine its acceptability for fast track status.

If you have any questions, please contact Registration Division, Risk Management Team 13, at (703) 305-6701.

Sincerely,

A handwritten signature in cursive script, appearing to read "P. K. Moore", is written above the typed name.

Front End Processing Staff  
Information Services Branch  
Information Technology & Resources Management Division

## Fee for Service

*sem*  
{860163Ê~

This package includes the following

☐ New Registration

☒ Amendment

☐ Studies?    ☐ Fee Waiver?

☐ volpay    % Reduction: \_\_\_\_

for Division

☐ AD

☐ BPPD

☒ RD

Risk Mgr.

13

Receipt No.

S-

860163

EPA File Symbol/Reg. No.

83520-5

Pin-Punch Date:

10/13/2009

☒ This item is NOT subject to FFS action.

### Action Code:

Requested:

Granted:

Amount Due: \$ \_\_\_\_

### Parent/Child Decisions:

☒ Inert Cleared for Intended Use



Uncleared Inert in Product

Reviewer:

*David Annunzio*

Date:

10/14/09

Remarks:



United States  
Environmental Protection Agency  
Washington, DC 20460

☐ Registration  
☒ Amendment  
☐ Other

OPP Identifier Number

**Application for Pesticide - Section I**

1. Company/Product Number 83520-5	2. EPA Product Manager R. Gebken	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Bifenthrin Technical	PM# 10	
5. Name and Address of Applicant (Include ZIP Code) Axss USA, LLC 6600 West 20th St., Suite 26 Greeley, CO 80634 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

**Section - II**

<input checked="" type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)

The purpose of this amendment action is to add the new crops which appear on the most recently approved "Bifenthrin Technical" label (EPA Reg. No. 279-3055). This action will not fall within the scope of PRIA.

**Section - III**

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	
				<input type="checkbox"/> Plastic	
				<input type="checkbox"/> Glass	
				<input type="checkbox"/> Paper	
* Certification must be submitted				<input type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/>	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

**Section - IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)					
Name Jane M. Miller		Title Agent		Telephone No. (Include Area Code) (203) 740-1200	
<b>Certification</b> I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.					6. Date Application Received (Stamped) 
2. Signature 		3. Title Agent			
4. Typed Name Jane M. Miller		5. Date September 30, 2009			

September 30, 2009

Document Processing Desk (NOTIF)  
Office of Pesticide Programs (7504P)  
US Environmental Protection Agency  
One Potomac Yard  
2777 S. Crystal Drive  
Room S-4900, 4<sup>th</sup> Floor  
Arlington, VA 22202

Attention: Mr. Richard Gebken (PM #10)  
RE: Bifenthrin Technical; EPA Reg. No. 83520-5  
**Amendment to Add Crops**

Dear Mr. Gebken:

On behalf of our client Axss USA, LLC we are submitting this amendment to add the new crops which appear on the most recently approved "Bifenthrin Technical" label (EPA Reg. No. 279-3055).

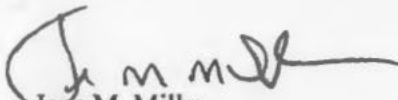
The following information is enclosed to process this label amendment:

- Application for Pesticide Registration (EPA Form 8570-1)
- Certification With Respect to Citation of Data (EPA Form 8570-34)
- Data Matrix (EPA Form 8570-35)
- One (1) copy of draft labeling with the additions underlined and the deletions lined-out.
- Three (3 ) copies of clean draft labeling.

This label amendment will not fall under PRIA and should be approved in 90 days.

Should you have any questions, or wish to reach me, please feel free to contact our office at 203-740-1200.

Sincerely,

  
Jane M. Miller  
Agent for Axss USA, LLC







**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
**401 M Street, S.W.**  
**WASHINGTON, D.C. 20460**

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**Certification with Respect to Citation of Data**

Applicant's/Registrant's Name, Address, and Telephone Number Axss USA, LLC 6600 West 20th St., Suite 26 Greeley, CO 80634	EPA Registration Number/File Symbol 83520-5
Active Ingredient(s) and/or representative test compound(s) Bifenthrin	Date September 30, 2009
General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158) Terrestrial Food, Terrestrial Non-Food, Domestic Outdoor, Indoor	Product Name Bifenthrin Technical

**NOTE:** If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statement (EPA Form 8570-27).

☐ I am responding to a Data-Call-In Notice, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

**SECTION I: METHOD OF DATA SUPPORT (Check one method only)**

<input checked="" type="checkbox"/> I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).	<input type="checkbox"/> I am using the selective method of support (or cite-all option under the selective method), and have included with this form a completed list of data requirements (the Data Matrix form must be used).
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**SECTION II: GENERAL OFFER TO PAY**

[Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements]

☒ I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application, to the extent required by FIFRA.

**SECTION III: CERTIFICATION**

I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for reregistration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, or one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses.

I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.

I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (i) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to provide such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

I certify that the statements I have made on this form and all attachments to it are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature 	Date Sept. 30, 2009	Typed or Printed Name and Title Jane M. Miller, Agent
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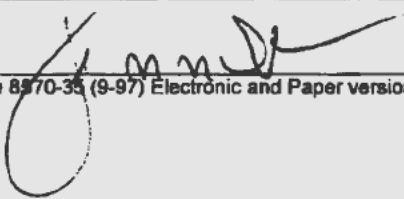
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## DATA MATRIX

Date January 19, 2010			EPA Reg. No./File Symbol 83520-5		Page 1 of 7
Applicant's/Registrant's Name & Address			Product:		
Axss USA, LLC P.O. Box 337870 Greeley, CO 80633			Bifenthrin Technical		
Ingredient Bifenthrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830-1550	Product Identity and Composition	46937801	Axss USA, LLC	Own	
830.1600	Description of Materials Used to Produce the Product	46937801	Axss USA, LLC	Own	
830.1620	Description of Production Process	46937801	Axss USA, LLC	Own	
830-1850	Description of Formulation Process				1
830.1870	Discussion of Formation of Impurities	46937801	Axss USA, LLC	Own	
830-1700	Preliminary Analysis	46937802	Axss USA, LLC	Own	
830.1750	Certified Limits	46937802	Axss USA, LLC	Own	
830.1800	Enforcement Analytical Method	46937802	Axss USA, LLC	Own	
830.1900	Submittal of Samples				2
830.6302	Color	46937802	Axss USA, LLC	Own	
830.6303	Physical State	46937802	Axss USA, LLC	Own	
830.6304	Odor	46937802	Axss USA, LLC	Own	
830.6313	Stability to normal & elevated temp., metal, metal ion	46937802	Axss USA, LLC	Own	
830.6314	Oxidation/Reduction	46937802	Axss USA, LLC	Own	
830.6315	Flammability / Flame Extension	46937802	Axss USA, LLC	Own	
830.6316	Explosibility				3
Signature 			Name and Title Jane M. Miller, Agent		Date 01/19/2010

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EPA Reg. No./File Symbol 83520-5

Page 1 of 7

Applicant's/Registrant's Name &amp; Address

Product

Axss USA, LLC P.O. Box 337870 Greeley, CO 80633

Bifenthrin Technical

Ingredient Bifenthrin

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
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Axss USA, LLC

Own

Axss USA, LLC

Own

Axss USA, LLC

Own

1

Axss USA, LLC

Own

Axss USA, LLC

Own

Axss USA, LLC

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Axss USA, LLC

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Axss USA, LLC

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Axss USA, LLC

Own

Axss USA, LLC

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Axss USA, LLC

Own

Axss USA, LLC

Own

Axss USA, LLC

OWN

3

Signature

Name and Title

Date

Jane M. Miller, Agent

01/19/2010

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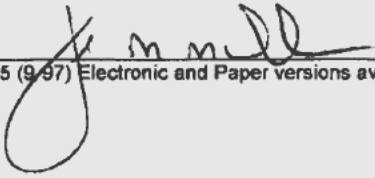
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Applicant's/Registrant's Name & Address			Product		
Axss USA, LLC P.O. Box 337870 Greeley, CO 80633			Bifenthrin Technical		
Ingredient Bifenthrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.6317	Storage Stability				4
830.6319	Miscibility				5
830.6320	Corrosion Characteristics				6
830.6321	Dielectric Breakdown Voltage				7
830.7000	pH	46937802	Axss USA, LLC	Own	
830.7050	UV/Visible Spectrum	46937802	Axss USA, LLC	Own	
830.7100	Viscosity				8
830.7200	Melting Point/ Melting Range	46937802	Axss USA, LLC	Own	
830.7300	Density	46937802	Axss USA, LLC	Own	
830.7370	Dissociation Constant				9
830.7550	Partition Coefficient	46937802	Axss USA, LLC	Own	
830.7840	Water Solubility	46937802	Axss USA, LLC	Own	
830.7950	Vapor Pressure				10
Signature			Name and Title		Date
			Jane M. Miller, Agent		01/19/2010

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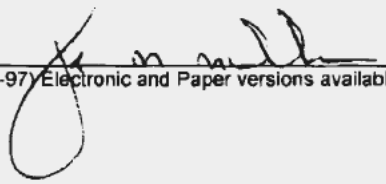
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Axss USA, LLC P.O. Box 337870 Greeley, CO 80633		Bifenthrin Technical			
Ingredient Bifenthrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
					4
					5
					6
					7
			Axss USA, LLC	Own	
			Axss USA, LLC	Own	
					8
			Axss USA, LLC	Own	
			Axss USA, LLC	Own	
					9
			Axss USA, LLC	Own	
			Axss USA, LLC	Own	
					10
Signature 			Name and Title Jane M. Miller, Agent		Date 01/19/2010

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Page 6 of 7

Applicant's/Registrant's Name &amp; Address

Axss USA, LLC P.O. Box 337870 Greeley, CO 80633

Product

Bifenthrin Technical

Ingredient Bifenthrin

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			FMC Corp.	PAY	
			FMC Corp.	PAY	
			FMC Corp.	PAY	
			FMC Corp.	PAY	
			FMC Corp.	PAY	
			FMC Corp.	PAY	
			FMC Corp.	PAY	
			FMC Corp.	PAY	
			FMC Corp.	PAY	
			FMC Corp.	PAY	
			FMC Corp.	PAY	
			FMC Corp.	PAY	
			FMC Corp.	PAY	
			FMC Corp.	PAY	

Signature

Name and Title

Jane M. Miller, Agent

Date

01/19/2010

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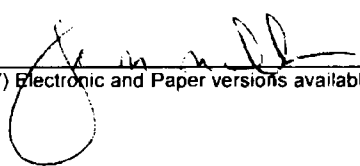
Applicant's/Registrant's Name &amp; Address

Axss USA, LLC P.O. Box 337870 Greeley, CO 80633

Product

Bifenthrin Technical

Ingredient Bifenthrin

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500 (171-4(k))	Magnitude of the Residue – Vegetable root, subgroup 1B, except sugar beet and garden beet		FMC Corp.	PAY	
860.1500 (171-4(k))	Magnitude of the Residue – Pear		FMC Corp.	PAY	
860.1500 (171-4(k))	Magnitude of the Residue – Pepper, bell and non-bell		FMC Corp.	PAY	
860.1500 (171-4(k))	Magnitude of the Residue – Soybeans		FMC Corp.	PAY	
860.1500 (171-4(k))	Magnitude of the Residue – Spinach		FMC Corp.	PAY	
860.1500 (171-4(k))	Magnitude of the Residue – Strawberry		FMC Corp.	PAY	
860.1500 (171-4(k))	Magnitude of the Residue – Tobacco		FMC Corp.	PAY	
860.1500 (171-4(k))	Magnitude of the Residue – Tomato		FMC Corp.	PAY	
860.1500 (171-4(k))	Magnitude of the Residue – Tree Nuts group 14		FMC Corp.	PAY	
860.1500 (171-4(k))	Magnitude of the Residue – Cabbage		FMC Corp.	PAY	
860.1500 (171-4(k))	Magnitude of the Residue – Coriander		FMC Corp.	PAY	
860.1500 (171-4(k))	Magnitude of the Residue – Almond hulls		FMC Corp.	PAY	
860.1500 (171-4(k))	Magnitude of the Residue – Pistachio		FMC Corp.	PAY	
860.1500 (171-4(k))	Magnitude of the Residue – Pepino		FMC Corp.	PAY	
Signature			Name and Title		Date
			Jane M. Miller, Agent		01/19/2010

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Page 5 of 7

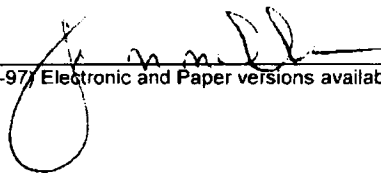
Applicant's/Registrant's Name &amp; Address

Product

Axss USA, LLC P.O. Box 337870 Greeley, CO 80633

Bifenthrin Technical

Ingredient Bifenthrin

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500 ((171-4(k)))	Magnitude of the Residue - Artichoke, globe		FMC Corp.	PAY	
860.1500 (171-4(k))	Magnitude of the Residue - Grape		FMC Corp.	PAY	
860.1500 (171-4(k))	Magnitude of the Residue - Hops		FMC Corp.	PAY	
860.1500 (171-4(k))	Magnitude of the Residue - Pea and Bean, dried shelled, except soybean, subgroup 6C		FMC Corp.	PAY	
860.1500 (171-4(k))	Magnitude of the Residue - Pea and Bean, succulent shelled, subgroup 6B		FMC Corp.	PAY	
860.1500 (171-4(k))	Magnitude of the Residue - Brassica, head and stem, subgroup 5A, except cabbage		FMC Corp.	PAY	
860.1500 (171-4(k))	Magnitude of the Residue - Brassica, leafy greens,		FMC Corp.	PAY	
860.1500 (171-4(k))	Magnitude of the Residue - Leafy petioles, subgroup 4B		FMC Corp.	PAY	
860.1500 (171-4(k))	Magnitude of the Residue - Vegetable, legume, edible podded, subgroup 6A		FMC Corp.	PAY	
860.1500 (171-4(k))	Magnitude of the Residue - Lettuce, head		FMC Corp.	PAY	
860.1500 (171-4(k))	Magnitude of the Residue - Mayhaw		FMC Corp.	PAY	
860.1500 (171-4(k))	Magnitude of the Residue - Okra		FMC Corp.	PAY	
860.1500 (171-4(k))	Magnitude of the Residue - Turnip greens		FMC Corp.	PAY	
860.1500 (171-4(k))	Magnitude of the Residue - Vegetable, tuberous and corm, subgroup 1C		FMC Corp.	PAY	
860.1500 (171-4(k))	Magnitude of the Residue - Peanut		FMC Corp.	PAY	
Signature	Name and Title			Date	
	Jane M. Miller, Agent			01/19/2010	

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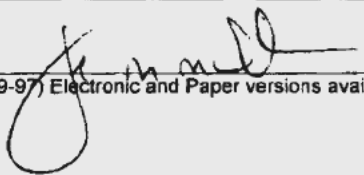
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Applicant's/Registrant's Name & Address		Product			
Axss USA, LLC P.O. Box 337870 Greeley, CO 80633		Bifenthrin Technical			
Ingredient Bifenthrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			FMC Corp.	PAY	
			FMC Corp.	PAY	
			FMC Corp.	PAY	
			FMC Corp.	PAY	
			FMC Corp.	PAY	
			FMC Corp.	PAY	
			FMC Corp.	PAY	
			FMC Corp.	PAY	
			FMC Corp.	PAY	
			FMC Corp.	PAY	
			FMC Corp.	PAY	
			FMC Corp.	PAY	
			FMC Corp.	PAY	
			FMC Corp.	PAY	
			FMC Corp.	PAY	
			FMC Corp.	PAY	
			FMC Corp.	PAY	
			FMC Corp.	PAY	
			FMC Corp.	PAY	
Signature 			Name and Title Jane M. Miller, Agent		Date 01/19/2010

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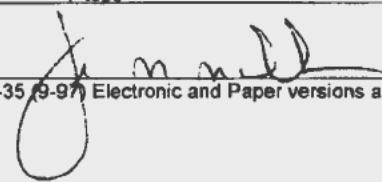
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Applicant's/Registrant's Name & Address Axss USA, LLC P.O. Box 337870 Greeley, CO 80633		Product Bifenthrin Technical			
Ingredient Bifenthrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1400 (171-4(h)) (165-3)	Magnitude of Residue in Plants Resulting from the Use of Irrigation Water		FMC Corp.	PAY	
860.1480 (171-4(j))	Magnitude of Residue in Meat, Milk, Poultry and Eggs		FMC Corp.	PAY	
860.1500 (171-4(k))	Magnitude of the Residue in Plants - Cotton		FMC Corp.	PAY	
860.1500 (171-4(k))	Magnitude of the Residue - Bananas		FMC Corp.	PAY	
860.1500 (171-4(k))	Magnitude of the Residue - Bushberry subgroup (13-07B)		FMC Corp.	PAY	
860.1500 (171-4(k))	Magnitude of the Residue - Caneberry subgroup 13A		FMC Corp.	PAY	
860.1500 (171-4(k))	Magnitude of the Residue - Rapeseed, seed		FMC Corp.	PAY	
860.1500 (171-4(k))	Magnitude of the Residue - Herb subgroup 19A		FMC Corp.	PAY	
860.1500 (171-4(k))	Magnitude of the Residue - Fruit, Citrus group 10		FMC Corp.	PAY	
860.1500 (171-4(k))	Magnitude of the Residue - Vegetable, Cucurbit group 9		FMC Corp.	PAY	
860.1500 (171-4(k))	Magnitude of the Residue - Eggplant		FMC Corp.	PAY	
860.1500 (171-4(k))	Magnitude of the Residue - Corn, grain (field, seed and pop)		FMC Corp.	PAY	
860.1500 (171-4(k))	Magnitude of the Residue - Corn, sweet, kernal plus cob with husks removed		FMC Corp.	PAY	
860.1500 (171-4(k))	Magnitude of the Residue - Corn, stover		FMC Corp.	PAY	
860.1500 (171-4(k))	Magnitude of the Residue - Corn, forage		FMC Corp.	PAY	
860.1500 (171-4(k))	Magnitude of Residue - Fruiting Vegetables		FMC Corp.	PAY	
860.1500 (171-4(k))	Magnitude of the Residue - Garden Beets, roots and tops		FMC Corp.	PAY	
Signature 			Name and Title Jane M. Miller, Agent		Date 01/19/2010

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## DATA MATRIX

Date January 19, 2010			EPA Reg. No./File Symbol 83520-5		Page 3 of 7
Applicant's/Registrant's Name & Address Axss USA, LLC P.O. Box 337870 Greeley, CO 80633			Product Bifenthrin Technical		
Ingredient Bifenthrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			FMC Corp.	PAY	
			FMC Corp.	PAY	
			FMC Corp.	PAY	
			FMC Corp.	PAY	
			FMC Corp.	PAY	
			FMC Corp.	PAY	
			FMC Corp.	PAY	
			FMC Corp.	PAY	
			FMC Corp.	PAY	
			FMC Corp.	PAY	
			FMC Corp.	PAY	
			FMC Corp.	PAY	
			FMC Corp.	PAY	
			FMC Corp.	PAY	
			FMC Corp.	PAY	
			Signature		

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## DATA MATRIX

Date January 19, 2010

EPA Reg. No./File Symbol 83520-5

Page 3 of 7

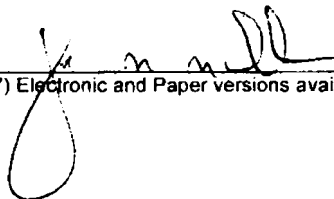
Applicant's/Registrant's Name &amp; Address

Product

Axss USA, LLC P.O. Box 337870 Greeley, CO 80633

Bifenthrin Technical

Ingredient Bifenthrin

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.2300(74-1)	Avian Reproduction		FMC Corp.	PAY	
850.2400 (71-3)	Wild Mammal Toxicity		FMC Corp.	PAY	
850.1300 (72-4)	Aquatic Invertebrate Life Cycle		FMC Corp.	PAY	
850.1500 (72-5)	Fish Life Cycle		FMC Corp.	PAY	
850.1710, 850.1730, 850.1850 (165-4)	Aquatic Organisms Bioavailability, Biomagnification, Toxicity		FMC Corp.	PAY	
870.1100 (81-1)	Acute Oral Toxicity: Rat		FMC Corp.	PAY	
870.1200 (81-2)	Acute Dermal Toxicity: Rat		FMC Corp.	PAY	
870.1300 (81-3)	Acute Inhalation Toxicity: Rat		FMC Corp.	PAY	
870.2400 (81-4)	Primary Eye Irritation: Rabbit		FMC Corp.	PAY	
870.2500 (81-5)	Primary Dermal Irritation		FMC Corp.	PAY	
870.2600 (81-6)	Dermal Sensitization		FMC Corp.	PAY	
870.3150 (82-1)	90-Day Oral – Non-rodent		FMC Corp.	PAY	
870.4200 (83-2)	Carcinogenicity		FMC Corp.	PAY	
835.6200 (164-2)	Aquatic (Sediment) Field Dissipation Study		FMC Corp.	PAY	
835.6300 (164-3)	Forestry Field Dissipation Study		FMC Corp.	PAY	
860.1300 (171.4(b))	Nature of Residue in Livestock		FMC Corp.	PAY	
860.1400 (171.4(f))	Nature and Magnitude of the Residue in Drinking and Irrigation Water		FMC Corp.	PAY	
860.1400 (171-4(g))	Magnitude of Residue in Fish		FMC Corp.	PAY	
Signature 			Name and Title Jane M. Miller, Agent		Date 01/19/2010

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## DATA MATRIX FOOTNOTES

1. **Description of Formulation Process:** Not applicable because the product is a TGAI/MP.
2. **Submittal of Samples:** Not required at this time.
3. **Explodability:** Not applicable. Product is not potentially explosive.
4. **Storage Stability:** Will be submitted if required.
5. **Miscibility:** Not applicable. Product is not intended for dilution with petroleum solvents.
6. **Corrosion Characteristics:** Will be submitted if required.
7. **Dielectric Breakdown Voltage:** Not applicable. Product is not intended for use around electrical equipment.
8. **Viscosity:** Not required because product is a solid.
9. **Dissociation Constant:** Not required. The product does not dissociate.
10. **Vapor Pressure:** Published literature indicates that the vapor pressure is below any of the guideline test methods. Therefore it is not possible to determine an accurate reading.

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**DATA MATRIX**

Date September 25, 2009			EPA Reg. No./File Symbol 83520-5		Page 1 of 8
Applicant's/Registrant's Name & Address Axss USA, LLC 6600 West 20 <sup>th</sup> St., Suite 26 Greeley, CO 80634			Product BIFENTHRIN TECHNICAL		
Ingredient Bifenthrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.1550	Product Identity and Composition	46937801	Axss USA, LLC	OWN	
830.1600	Description of Materials Used to Produce the Product	46937801	Axss USA, LLC	OWN	
830.1620	Description of Production Process	46937801	Axss USA, LLC	OWN	
830.1650	Description of Formulation Process				1
830.1670	Discussion of Formation of Impurities	46937801	Axss USA, LLC	OWN	
830.1700	Preliminary Analysis	46937802	Axss USA, LLC		
830.1750	Certified Limits	46937802	Axss USA, LLC	OWN	
830.1800	Enforcement Analytical Method	46937802	Axss USA, LLC	OWN	
830.1900	Submittal of Samples				2
830.6302	Color	46937802	Axss USA, LLC	OWN	
830.6303	Physical State	46937802	Axss USA, LLC	OWN	
830.6304	Odor	46937802	Axss USA, LLC	OWN	
830.6313	Stability to Normal & Elevated Temp., Metal, Metal Ion	46937802	Axss USA, LLC	OWN	
830.6314	Oxidation / Reduction	46937802	Axss USA, LLC	OWN	
830.6315	Flammability / Flame Extension	46937802	Axss USA, LLC	OWN	
830.6316	Explodability				3
830.6317	Storage Stability				4
830.6319	Miscibility				5
Signature 			Name and Title Jane M. Miller, Agent to Axss USA, LLC		Date 09/25/2009

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Applicant's/Registrant's Name & Address Axss USA, LLC 6600 West 20th St., Suite 26 Greeley, CO 80634			Product BIFENTHRIN TECHNICAL		
Ingredient Bifenthrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.6320	Corrosion Characteristics				6
830.6321	Dielectric Breakdown Voltage				7
830.7000	pH	46937802	Axss USA, LLC	OWN	
830.7050	UV/Visible Spectrum	46937802	Axss USA, LLC	OWN	
830.7100	Viscosity				8
830.7200	Melting Point/Melting Range	46937802	Axss USA, LLC	OWN	
830.7300	Density	46937802	Axss USA, LLC	OWN	
830.7370	Dissociation Constant				9
830.7550	Partition Coefficient	46937802	Axss USA, LLC	OWN	
830.7840	Water Solubility	46937802	Axss USA, LLC	OWN	
830.7950	Vapor Pressure				10
Any other data that may be required to approve this label amendment		Cite-All		PAY	
The following companies have been sent offer to pay letters:					
			Bayer Environmental Science	PAY	
			Research Triangle Park, NC		
Signature 			Name and Title Jane M. Miller, Agent to Axss USA, LLC		Date 09/25/2009

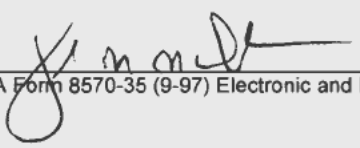
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Applicant's/Registrant's Name & Address Axss USA, LLC 6600 West 20th St., Suite 26 Greeley, CO 80634			Product BIFENTHRIN TECHNICAL		
Ingredient Bifenthrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
	Cite-All		The Scotts Company	PAY	
			Marysville, OH 43041		
			McLaughlin Gormley King Co.	PAY	
			Minneapolis, MN 55427		
			Amvac Chemical Corp.	PAY	
			Newport Beach, CA 92660		
			The Andersons Lawn Fertilizer Div.	PAY	
			Maumee, OH 43537		
			Makhteshim Chemical Works	PAY	
			Raleigh, NC		
			Howard Fertilizer & Chemical	PAY	
			Salem, VA 24153		
			Spray Drift Task Force	PAY	
			Washington, DC 20006		
			Nufarm Americas Inc.	PAY	
			Burr Ridge, IL		
			Outdoor Residential Task Force	PAY	
			Washington, DC 20005		
Signature 			Name and Title Jane M. Miller, Agent to Axss USA, LLC		Date 09/25/2009

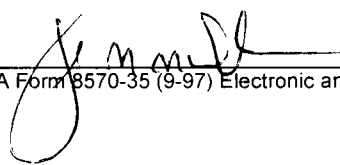
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Applicant's/Registrant's Name & Address Axss USA, LLC 6600 West 20th St., Suite 26 Greeley, CO 80634			Product BIFENTHRIN TECHNICAL		
Ingredient Bifenthrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
	Cite-All		Agricultural Re-Entry Task Force	PAY	
			Washington, DC 20005		
			Fuller System, Inc.	PAY	
			Woburn, MA		
			The Ortho Business Group	PAY	
			Marysville, OH 43041		
			FMC Corp.	PAY	
			Philadelphia, PA 19103		
			Non-Dietary Exposure Task Force	PAY	
			Washington, DC		
			Arizona Chemical Group	PAY	
			Mesa, AZ		
			Lesco, Inc.	PAY	
			Cleveland, OH		
			Makhteshim-Agan of North America	PAY	
			Raleigh, NC		
			Ensystex IV, Inc.	PAY	
			Gig Harbor, WA		
Signature 			Name and Title Jane M. Miller, Agent to Axss USA, LLC		Date 09/25/2009

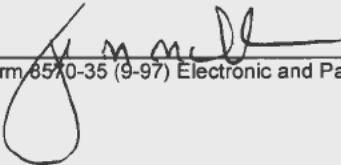
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Applicant's/Registrant's Name & Address Axss USA, LLC 6600 West 20th St., Suite 26 Greeley, CO 80634			Product BIFENTHRIN TECHNICAL		
Ingredient Bifenthrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
	Cite-All		United Phosphorus Inc.	PAY	
			King of Prussia, PA		
			Atex Inc.	PAY	
			Valdosta, GA		
			Ensystex II, Inc.	PAY	
			Gig Harbor, WA		
			Agricultural Handlers Exposure Task	PAY	
			Macon, GA		
			Southern States Cooperative, Inc.	PAY	
			Salem, VA		
			Helena Chemical Co.	PAY	
			Memphis, TN		
			Nisso America, Inc.	PAY	
			New York, New York		
			Sunniland Corp.	PAY	
			Sanford, FL		
			Loveland Products, Inc.	PAY	
			Greeley, CO		
Signature 			Name and Title Jane M. Miller, Agent to Axss USA, LLC		Date 09/25/2009

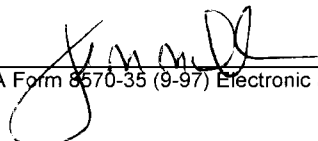
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Applicant's/Registrant's Name & Address Axss USA, LLC 6600 West 20th St., Suite 26 Greeley, CO 80634			Product BIFENTHRIN TECHNICAL		
Ingredient Bifenthrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
	Cite-All		Albaugh, Inc.	PAY	
			Valdosta, GA		
			BASF Sparks, LLC	PAY	
			Research Triangle Park, NC		
			Bengal Products, Inc.	PAY	
			Baton Rouge, LA		
			Sapstain Industry Group	PAY	
			Titusville, NJ		
			Univar USA, Inc.	PAY	
			Austin, TX		
			FIFRA Endangered Species TF	PAY	
			Washington, DC		
			Residential Exposure Joint Venture	PAY	
			Washington, DC		
			Control Solutions, Inc.	PAY	
			Pasadena, TX		
			J. Olivar Products, LLC	PAY	
			Hernando, MS		
Signature 			Name and Title Jane M. Miller, Agent to Axss USA, LLC		Date 09/25/2009

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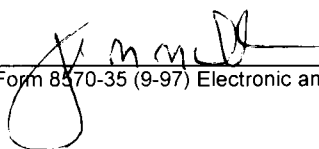


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## DATA MATRIX

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Applicant's/Registrant's Name & Address Axss USA, LLC 6600 West 20th St., Suite 26 Greeley, CO 80634			Product BIFENTHRIN TECHNICAL		
Ingredient Bifenthrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
	Cite-All		Arysta Lifescience North America	PAY	
			Cary, NC		
			Osiose Utilities Services, Inc.	PAY	
			Buffalo, NY		
			Generic Endangered Species TF	PAY	
			Washington, DC		
			S.C. Johnson & Son, Inc.	PAY	
			Racine, WI		
Signature 			Name and Title Jane M. Miller, Agent to Axss USA, LLC		Date 09/25/2009

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### Data Matrix Footnotes

1. **Description of Formulation Process:** Not applicable because the product is a TGAI/MP.
2. **Submittal of Samples:** Not required at this time.
3. **Explosability:** Not applicable. Product is not potentially explosive.
4. **Storage Stability:** Will be submitted if required.
5. **Miscibility:** Not applicable. The product is not intended to be diluted with a petroleum solvent.
6. **Corrosion Characteristics:** Will be submitted if required.
7. **Dielectric Breakdown Voltage:** Not applicable. Product is not intended for use around electrical equipment.
8. **Viscosity:** Not required because product is a solid.
9. **Dissociation Constant:** Not required. The product does not dissociate.
10. **Vapor Pressure:** Published literature indicates that the vapor pressure is below any of the guideline test methods. Therefore it is not possible to determine an accurate reading.

7PL → Be wand

**BIOLOGIC** INC.  
*agribusiness professionals*

September 30, 2009

Document Processing Desk (NOTIF)  
Office of Pesticide Programs (7504P)  
US Environmental Protection Agency  
One Potomac Yard  
2777 S. Crystal Drive  
Room S-4900, 4<sup>th</sup> Floor  
Arlington, VA 22202

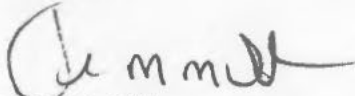
Attention: Mr. Richard Gebken (PM #10)  
RE: Bifenthrin Technical; EPA Reg. No. 83520-5  
**Final Label – Revised**

Dear Mr. Gebken:

On December 8, 2008 we submitted final labeling for this product as a result of the EPA Notice of Amendment approval dated March 27, 2008. Since that time we have discovered that we did not include all of the information necessary per PR Notice 2007-4. We have enclosed two (2) copies of revised final labeling that includes all of the appropriate information.

Should you have any questions, or wish to reach me, please feel free to contact our office at 203-740-1200.

Sincerely,



Jane M. Miller  
Agent for Axss USA, LLC



United States  
Environmental Protection Agency  
Washington, DC 20460

☐ Registration  
☐ Amendment  
☒ Other

OPP Identifier Number

**Application for Pesticide - Section I**

1. Company/Product Number 83520-5	2. EPA Product Manager R. Gebken	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Bifenthrin Technical	PM# 10	
5. Name and Address of Applicant (Include ZIP Code) Axss USA, LLC 6600 West 20th St., Suite 26 Greeley, CO 80634 <input type="checkbox"/> Check if this is a new address	6. <b>Expedited Review.</b> In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

**Section - II**

<input type="checkbox"/> Amendment - Explain below.	<input checked="" type="checkbox"/> Final printed labels in response to Agency letter dated <u>March 27, 2008</u>
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)  
Submission of final labeling.

**Section - III**

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	
				<input type="checkbox"/> Plastic	
				<input type="checkbox"/> Glass	
				<input type="checkbox"/> Paper	
				<input type="checkbox"/> Other (Specify) _____	
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> on label	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____			

**Section - IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)					
Name Jane M. Miller		Title Agent		Telephone No. (Include Area Code) (203) 740-1200	
<b>Certification</b> I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment, both under applicable law.					6. Date Application Received (Stamped) 
2. Signature 		3. Title Agent			
4. Typed Name Jane M. Miller		5. Date September 30, 2009			

# Bifenthrin Technical

## For Manufacturing Use Only

### Active Ingredient:

Bifenthrin: (2-methyl)[1,1'-Biphenyl]-3-yl)methyl-3-(2-chloro-3,3,3-trifluoro-1-Propenyl)-2,2-Dimethyl Cyclopropane Carboxylate.....98.5%

Other Ingredients:..... 1.5%

TOTAL.....100.0%

Cis isomers 97% minimum, trans isomers 3% maximum

KEEP OUT OF REACH OF CHILDREN

## WARNING/AVISO

### PRECAUTIONARY STATEMENTS

#### Hazards to Humans and Domestic Animals

May be fatal if swallowed. Harmful if inhaled or absorbed through skin. Causes moderate eye irritation. Avoid breathing vapor or spray mist. Avoid contact with skin, eyes, or clothing.

Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling, and before eating, drinking, or using tobacco. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals,

FIRST AID	
<b>If Swallowed:</b>	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
<b>If on Skin or Clothing:</b>	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
<b>If Inhaled:</b>	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
<b>If in Eyes:</b>	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center for treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	



## **ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish and aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the Environmental Protection Agency.

## **PHYSICAL AND CHEMICAL HAZARDS**

Do not use or store near heat or open flame.

## **DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

This material requires further mixing before use.

## **ONLY FOR FORMULATION INTO AN INSECTICIDE/MITICIDE FOR:**

### **(1) The following uses:**

**Terrestrial Food/Feed Crops:** Bananas (import only), Caneberries, Canola, Cilantro, Citrus, Cotton, Crambe, Cucurbits, Field Corn (Grain and Silage), Field Corn Grown for Seed, Sweet Corn, Sweet Corn Grown for Seed, Fruiting Vegetables, Globe Artichokes, Grapes, Herbs, Hops, Dried Peas and Beans, Succulent Peas and Beans, Head and Stem Brassica Vegetables, Leafy Brassica Greens, Legume Vegetables, Lettuce (Head), Mayhaw, Okra, Turnip Greens, Tuberous and Corm Vegetables, Peanuts, Pears, Popcorn, Root Crops (except sugar beets), Rapeseed, Soybeans, Spinach, Strawberries, Tobacco, Tree Nuts, Greenhouse Grown Ornamental Trees, Shrubs, Plants, Flowers, Non-Bearing Fruit and Nut Trees.

### **Terrestrial Non-Food:**

Termiticide and Soil Contact Nonfumigation Treatment  
Wood Treatment and Protection  
Outdoor Insect Control  
Ornamental Plants, Trees, Shrubs, and Vines (Woody)  
Christmas Trees  
Conifer Seed Orchards  
Residential Lawns  
Indoor Insect Control

**Food Handling Establishments:** Places other than private residences in which food is held, processed, prepared or served.

(2) Uses for which U.S. EPA has accepted the required data and/or citation of data that the formulator has submitted in support of registration; and

- (3) Uses for experimental purposes that are in compliance with U.S. EPA requirements.

Formulators using this product to formulate an end-use pesticide product are responsible for obtaining an EPA registration for their end-use product.

#### **STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

**Pesticide Storage:** Store in original container, in a cool dry locked area. Store separately from other pesticides, fertilizers, food or feed to prevent contamination. In case of spill or broken container, call Chemtrec at 1-800-424-9300.

**Pesticide Disposal:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional office for guidance.

**Container Disposal:** Nonrefillable container. Do not reuse or refill container.

**Fiber or Metal Drum with Liner:** Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into formulation equipment. Then offer for recycling if available or dispose of liner in a sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.

**Metal Drum:** Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Then offer for recycling, if available, or puncture and dispose of container in a sanitary landfill, or by other procedures approved by state and local authorities. **Triple rinse as follow:** Empty the remaining contents into formulation equipment or a mix tank. Fill the container 1/4 full with water.

Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. **Pressure rinse as follows:** Empty the remaining contents into formulation equipment or a mix tank. Hold container upside down over formulation equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

#### **CONDITIONS OF SALE AND LIMITATION OF WARRANTY**

Axss USA, LLC warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for the purposes stated on such label only when used in accordance with the directions under normal use conditions. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Axss USA, LLC. To the extent consistent with applicable law, Axss USA, LLC shall not be liable for consequential, special or indirect damages resulting from the use or handling of this product. The exclusive remedy of any Buyer or User of this product and any and all losses, injuries, or damages resulting from or in any way arising from the use, handling, or application of this product, whether in contract, warranty, tort negligence, strict liability, or otherwise, shall not exceed the purchase price of this product. All such risks shall be assumed by the Buyer. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, AXSS USA, LLC MAKES NO WARRANTIES OR MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR

PURPOSE NOR ANY OTHER EXPRESSED OR IMPLIED WARRANTY EXCEPT AS  
STATED ABOVE.

EPA Reg. No. 83520-5  
EPA Est. No.

Manufactured by:  
Axss USA, LLC  
6600 West 20<sup>th</sup> St., Suite 26  
Greeley, CO 80634

# Bifenthrin Technical

## For Manufacturing Use Only

### Active Ingredient:

Bifenthrin: (2-methyl)[1,1'-Biphenyl]-3-yl)methyl-3-(2-chloro-3,3,3-trifluoro-1-Propenyl)-2,2-Dimethyl Cyclopropane Carboxylate.....98.5%  
Other Ingredients:..... 1.5%  
TOTAL.....100.0%

Cis isomers 97% minimum, trans isomers 3% maximum

KEEP OUT OF REACH OF CHILDREN

## WARNING/AVISO

### PRECAUTIONARY STATEMENTS

#### Hazards to Humans and Domestic Animals

May be fatal if swallowed. Harmful if inhaled or absorbed through skin. Causes moderate eye irritation. Avoid breathing vapor or spray mist. Avoid contact with skin, eyes, or clothing. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling, and before eating, drinking, or using tobacco. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

<b>FIRST AID</b>	
<b>If Swallowed:</b>	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
<b>If on Skin or Clothing:</b>	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
<b>If Inhaled:</b>	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
<b>If in Eyes:</b>	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center for treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	

## **ENVIRONMENTAL HAZARDS**

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## **PHYSICAL AND CHEMICAL HAZARDS**

Do not use or store near heat or open flame.

## **DIRECTIONS FOR USE**

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This material requires further mixing before use.

## **ONLY FOR FORMULATION INTO AN INSECTICIDE/MITICIDE FOR:**

### **(1) The following uses:**

**Terrestrial Food/Feed Crops:** Bananas (import only), Caneberries, Canola, Cilantro, Citrus, Cotton, Crambe, Cucurbits, Field Corn (Grain and Sillage), Field Corn Grown for Seed, Sweet Corn, Sweet Corn Grown for Seed, Fruiting Vegetables, Globe Artichokes, Grapes, Herbs, Hops, Dried Peas and Beans, Succulent Peas and Beans, Head and Stem Brassica Vegetables, Leafy Brassica Greens, Legume Vegetables, Lettuce (Head), Mayhaw, Okra, Turnip Greens, Tuberous and Corm Vegetables, Peanuts, Pears, Popcorn, Root Crops (except sugar beets), Rapeseed, Soybeans, Spinach, Strawberries, Tobacco, Tree Nuts, Greenhouse Grown Ornamental Trees, Shrubs, Plants, Flowers, Non-Bearing Fruit and Nut Trees.

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Termiticide and Soil Contact Nonfumigation Treatment  
Wood Treatment and Protection  
Outdoor Insect Control  
Ornamental Plants, Trees, Shrubs, and Vines (Woody)  
Christmas Trees  
Conifer Seed Orchards  
Residential Lawns  
Indoor Insect Control

**Food Handling Establishments:** Places other than private residences in which food is held, processed, prepared or served.

(2) Uses for which U.S. EPA has accepted the required data and/or citation of data that the formulator has submitted in support of registration; and



(3) Uses for experimental purposes that are in compliance with U.S. EPA requirements.

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#### **STORAGE AND DISPOSAL**

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*EPA Approved Amended Label 03272008*  
*Revised Final Label*

PURPOSE NOR ANY OTHER EXPRESSED OR IMPLIED WARRANTY EXCEPT AS  
STATED ABOVE.

EPA Reg. No. 83520-5  
EPA Est. No.

Manufactured by:  
Axss USA, LLC  
6600 West 20<sup>th</sup> St., Suite 26  
Greeley, CO 80634

# MATERIAL TO BE ADDED TO JACKET

REG #

83520-5

Description:

Notification PAN 98-10

Bifenthrin Technical

*check all that apply*

☐

new stamped accepted label

☐

new CSF

☒

notification

**Send to CSC**

## Instructions:

Attach this sheet to the top of **ALL** material sent to the file room (both loose paper and new material in jackets). This sheet will be imaged; a clear description will aid in finding material in the e-jacket. Remove staples from all material. If returning loose paper then hold together with a binder or paper clip. CSFs should be placed in the CSF folder (if returning jacket) or covered with a red CBI sheet (if returning loose paper). Material to be returned to file room should be place in the appropriate bin.

Reviewer's

Name:

Owen F. BENDER

Date:

11-23-09

Phone:

308-8899

Division:

AI



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

OCT 29 2009

Ms. Jane M. Miller  
Biologic Inc., Agribusiness Professionals  
Agent for Axss USA, LLC  
115 Obtuse Hill Road  
Brookfield, CT 06804

SUBJECT: Application for Pesticide Notification (PRN 98-10)  
"Bifenthrin Technical"  
Request General Label Change  
EPA Reg. 83520-5  
Application Dated September 25, 2009

Dear Ms. Miller:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated 09/25/09 for the above product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action(s) requested fall within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions, please call me directly at 703-305-6249 or Owen F. Beeder of my staff at 703-308-8899.

Sincerely,

Linda Arrington  
Notifications & Minor Formulations Team Leader  
Registration Division (7505P)  
Office of Pesticide Programs

September 25, 2009

Document Processing Desk (NOTIF)  
Office of Pesticide Programs (7504P)  
US Environmental Protection Agency  
One Potomac Yard  
2777 S. Crystal Drive  
Room S-4900, 4<sup>th</sup> Floor  
Arlington, VA 22202

Attention: Mr. R. Gebken (PM #10)

RE: "Bifenthrin Technical"; EPA Reg. No. 83520-5  
Notification to Correct Typographical Error

Dear Mr. Gebken:

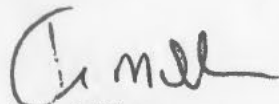
On behalf of Axss USA, LLC please find enclosed an Application for Pesticide Notification for the above mentioned product. It has come to our attention that the use sites of "Greenhouse Grown Ornamental Trees, Shrubs, Plants, Flowers, Non-Bearing Fruit and Nut Trees" appear underneath the incorrect heading of "**Terrestrial Food/Feed Crops**". These uses were originally underneath the "**Terrestrial Non-Food**" heading on the April 4, 2007 EPA approved label. The mistake happened on the subsequent September 18, 2007 label amendment submission which was approved on March 27, 2008.

The following documents are enclosed to process this Notification:

1. Application for Pesticide Notification (8570-1)
2. Two (2) copies of the label with the changes highlighted.

Should you have any questions, or wish to reach me, please feel free to contact our office at 203-740-1200. We hope that this action can be completed quickly.

Sincerely,



Jane Miller  
Agent to Axss USA, LLC







United States  
Environmental Protection Agency  
Washington, DC 20460

☐ Registration  
☐ Amendment  
☒ Other

OPP Identification Number:

### Application for Pesticide - Section I

1. Company/Product Name: 88529-5	2. EPA Product Number: R. Cadden	3. Proposed Classification: <input type="checkbox"/> New <input type="checkbox"/> Reregulated
4. Company/Product Name: Benthius Technical	5. EPA Product Number: 100	
6. Name and Address of Applicant (Include ZIP Code): Aves USA, LLC 1100 Plate Falls Road Plate City, MO 64079 <input type="checkbox"/> Check: This is a new address	7. Expected Review. In accordance with FIFRA Section 3(c)(2) (44), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

### Section - II

<input type="checkbox"/> Amendment - Explanation:	<input checked="" type="checkbox"/> Final printed label in response to Agency letter dated:	<b>NOTIFICATION</b>  <b>OCT 29 2009</b>
<input type="checkbox"/> Re-submission in response to Agency letter dated:	<input type="checkbox"/> "New Use" Application.	
<input checked="" type="checkbox"/> Notification - Explanation:	<input type="checkbox"/> Other - Explanation:	

Explanation: Use additional page(s) if necessary. (For section head Section II)

This is a notification to make a correction to the application label for the labeling subject EPA Notice 88-100. This notification is consistent with the provisions of FIFRA Section 3(c)(2) and the EPA regulations at 40 CFR 152.45, and the other changes have been made to the labeling and the confidential statement of formula of this product. I understand that this notification will not be used to make any statement to EPA. I further understand that if this notification is not consistent with the terms of FIFRA Section 3(c)(2) and 40 CFR 152.45, this product may be in violation of FIFRA and may be subject to enforcement action and penalties under sections 12 and 13 of FIFRA.

### Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container:	
Child Resistant Packaging: <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging: <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging: <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	
				<input type="checkbox"/> Plastic	
				<input type="checkbox"/> Glass	
				<input type="checkbox"/> Paper	
				<input type="checkbox"/> Other (Specify)	
3. Location of Use: Consumer Information: <input type="checkbox"/> Label <input type="checkbox"/> Container		4. State Final Consumer: <input type="checkbox"/> Yes <input type="checkbox"/> No		5. Location of Label Direction: <input type="checkbox"/> Yes <input type="checkbox"/> No	
6. Address of Manufacturer: Address of Product: <input type="checkbox"/> Yes <input type="checkbox"/> No		7. Address of Manufacturer: <input type="checkbox"/> Yes <input type="checkbox"/> No		8. Address of Manufacturer: <input type="checkbox"/> Yes <input type="checkbox"/> No	

### Section - IV

9. Contact Person: (Complete name, directly relate to identification of individual to be contacted, if necessary, to process the application.)		
Name: James R. Miller	Title: Agent	Telephone No. (Include Area Code): (202) 748-0200
<p><b>Certification</b></p> <p>I certify that the statements made on this form and all attachments are true, accurate and complete. I understand that any knowingly false or misleading statement may be punishable by fine or imprisonment or both, under applicable law.</p>		
10. Signature: 	11. Title: Agent	12. Date: September 25, 2009
13. Typed Name: James R. Miller		



# Bifenthrin Technical

## For Manufacturing Use Only

### Active Ingredient:

Bifenthrin: (2-methyl)[1,1'-Biphenyl]-3-yl)methyl-3-(2-chloro-3,3,3-trifluoro-1-Propenyl)-2,2-Dimethyl Cyclopropane Carboxylate.....98.5%

Other Ingredients:..... 1.5%

TOTAL.....100.0%

Cis isomers 97% minimum, trans isomers 3% maximum

### NOTIFICATION

OCT 28 2009

KEEP OUT OF REACH OF CHILDREN

## WARNING/AVISO

### PRECAUTIONARY STATEMENTS

#### Hazards to Humans and Domestic Animals

May be fatal if swallowed. Harmful if inhaled or absorbed through skin. Causes moderate eye irritation. Avoid breathing vapor or spray mist. Avoid contact with skin, eyes, or clothing. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling, and before eating, drinking, or using tobacco. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals,

### FIRST AID

**If Swallowed:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**If on Skin or Clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**If Inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

**If in Eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

## ENVIRONMENTAL HAZARDS

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## PHYSICAL AND CHEMICAL HAZARDS

Do not use or store near heat or open flame.

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

This material requires further mixing before use.

## ONLY FOR FORMULATION INTO AN INSECTICIDE/MITICIDE FOR:

### (1) The following uses:

**Terrestrial Food/Feed Crops:** Bananas (import only), Caneberries, Canola, Cilantro, Citrus, Cotton, Crambe, Cucurbits, Field Corn (Grain and Sillage), Field Corn Grown for Seed, Sweet Corn, Sweet Corn Grown for Seed, Fruiting Vegetables, Globe Artichokes, Grapes, Herbs, Hops, Dried Peas and Beans, Succulent Peas and Beans, Head and Stem Brassica Vegetables, Leafy Brassica Greens, Legume Vegetables, Lettuce (Head), Mayhaw, Okra, Turnip Greens, Tuberous and Corm Vegetables, Peanuts, Pears, Popcorn, Root Crops (except sugar beets), Rapeseed, Soybeans, Spinach, Strawberries, Tobacco, Tree Nuts, ~~Greenhouse Grown Ornamental Trees, Shrubs, Plants, Flowers, Non-Bearing Fruit and Nut Trees.~~

### **Terrestrial Non-Food:**

Termiticide and Soil Contact Nonfumigation Treatment

Wood Treatment and Protection

Outdoor Insect Control

Ornamental Plants, Trees, Shrubs, and Vines (Woody)

Christmas Trees

Conifer Seed Orchards

Greenhouse Grown Ornamental Trees, Shrubs, Plants, Flowers

Non-Bearing Fruit and Nut Trees.

Residential Lawns

Indoor Insect Control

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EPA Reg. No. 83520-5  
EPA Est. No.

Manufactured by:  
Axss USA, LLC  
1100 Platte Falls Road  
Platte City, MO 64079

# Bifenthrin Technical

## For Manufacturing Use Only

Active Ingredient:	
Bifenthrin: (2-methyl)[1,1 <sup>1</sup> -Biphenyl]-3-yl)methyl-3-(2-chloro-3,3,3-trifluoro-1-Propenyl)-2,2-Dimethyl Cyclopropane Carboxylate.....	98.5%
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## ONLY FOR FORMULATION INTO AN INSECTICIDE/MITICIDE FOR:

### (1) The following uses:

**Terrestrial Food/Feed Crops:** Bananas (import only), Caneberries, Canola, Cilantro, Citrus, Cotton, Crambe, Cucurbits, Field Corn (Grain and Sillage), Field Corn Grown for Seed, Sweet Corn, Sweet Corn Grown for Seed, Fruiting Vegetables, Globe Artichokes, Grapes, Herbs, Hops, Dried Peas and Beans, Succulent Peas and Beans, Head and Stem Brassica Vegetables, Leafy Brassica Greens, Legume Vegetables, Lettuce (Head), Mayhaw, Okra, Turnip Greens, Tuberous and Corm Vegetables, Peanuts, Pears, Popcorn, Root Crops (except sugar beets), Rapeseed, Soybeans, Spinach, Strawberries, Tobacco, Tree Nuts, ~~Greenhouse Grown Ornamental Trees, Shrubs, Plants, Flowers, Non-Bearing Fruit and Nut Trees.~~

### Terrestrial Non-Food:

Termiticide and Soil Contact Nonfumigation Treatment

Wood Treatment and Protection

Outdoor Insect Control

Ornamental Plants, Trees, Shrubs, and Vines (Woody)

Christmas Trees

Conifer Seed Orchards

Greenhouse Grown Ornamental Trees, Shrubs, Plants, Flowers

Non-Bearing Fruit and Nut Trees.

Residential Lawns

Indoor Insect Control

**Food Handling Establishments:** Places other than private residences in which food is held, processed, prepared or served.

(2) Uses for which U.S. EPA has accepted the required data and/or citation of data that the formulator has submitted in support of registration; and

(3) Uses for experimental purposes that are in compliance with U.S. EPA requirements.

Formulators using this product to formulate an end-use pesticide product are responsible for obtaining an EPA registration for their end-use product.

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**Storage:** Store in original container, in a cool dry locked area. Store separately from other pesticides, fertilizers, food or feed to prevent contamination. In case of spill or broken container, call Chemtrec at 1-800-424-9300.

**Pesticide Disposal:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional office for guidance.

**Container Disposal:** Nonrefillable Container. Do not reuse or refill this container.

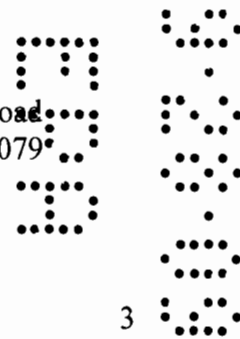
Completely empty container into formulation equipment. Then dispose of empty container in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## CONDITIONS OF SALE AND LIMITATION OF WARRANTY

Axss USA, LLC warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for the purposes stated on such label only when used in accordance with the directions under normal use conditions. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Axss USA, LLC. To the extent consistent with applicable law, Axss USA, LLC shall not be liable for consequential, special or indirect damages resulting from the use or handling of this product. The exclusive remedy of any Buyer or User of this product and any and all losses, injuries, or damages resulting from or in any way arising from the use, handling, or application of this product, whether in contract, warranty, tort negligence, strict liability, or otherwise, shall not exceed the purchase price of this product. All such risks shall be assumed by the Buyer. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, AXSS USA, LLC MAKES NO WARRANTIES OR MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE NOR ANY OTHER EXPRESSED OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

EPA Reg. No. 83520-5  
EPA Est. No.

Manufactured by:  
Axss USA, LLC  
1100 Platte Falls Road  
Platte City, MO 64079





7PL  
**BIOLOGIC** INC.  
*agribusiness professionals*

December 8, 2008

Document Processing Desk (NOTIF)  
Office of Pesticide Programs (7504P)  
US Environmental Protection Agency  
One Potomac Yard  
2777 S. Crystal Drive  
Room S-4900, 4<sup>th</sup> Floor  
Arlington, VA 22202

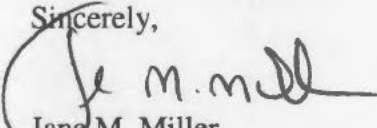
Attention: Mr. Richard Gebken (PM #13)  
RE: Bifenthrin Technical; EPA Reg. No. 83520-5  
Final Labeling

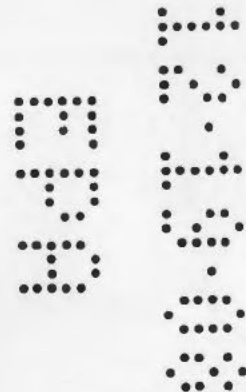
Dear Mr. Gebken:

As per the EPA letter of registration amendment approval dated March 27, 2008, please find enclosed two (2) copies of corrected final labeling for the above-mentioned product.

Should you have any questions, or wish to reach me, please feel free to contact our office at 203-740-1200.

Sincerely,

  
Jane M. Miller  
Agent to Axss USA, LLC





United States  
Environmental Protection Agency  
Washington, DC 20460

☐ Registration  
☐ Amendment  
☒ Other

OPP Identifier Number

**Application for Pesticide - Section I**

1. Company/Product Number 83520-5	2. EPA Product Manager R. Gebken	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Bifenthrin Technical	PM# 13	
5. Name and Address of Applicant (Include ZIP Code) Axss USA, LLC 1100 Platte Falls Road Platte City, MO 64079 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

**Section - II**

<input type="checkbox"/> Amendment - Explain below.	<input checked="" type="checkbox"/> Final printed labels in response to Agency letter dated <u>March 27, 2008</u>
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)

Submission of final labeling.

**Section - III**

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____	
If "Yes" Unit Packaging wgt. No. per container		If "Yes" Package wgt. No. per container			
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container			4. Size(s) Retail Container	5. Location of Label Directions <input type="checkbox"/> on label	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

**Section - IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)					
Name Jane M. Miller		Title Agent		Telephone No. (Include Area Code) (203) 740-1200	
<b>Certification</b> I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.					6. Date Application Received (Stamped) 
2. Signature 		3. Title Agent			
4. Typed Name Jane M. Miller		5. Date December 8, 2008			

Bifenthrin Technical  
For Manufacturing Use Only

NOT REVIEWED  
In Accordance with PR Notice 82-2  
Based on Draft Labeling Dated  
3-27-08

Active Ingredient:

Bifenthrin: (2-methyl)[1,1<sup>1</sup>-Biphenyl]-3-yl)methyl-3-(2-chloro-3,3,3-trifluoro-1-Propenyl)-2,2-Dimethyl Cyclopropane Carboxylate.....98.5%  
Other Ingredients:..... 1.5%  
TOTAL.....100.0%

Cis isomers 97% minimum, trans isomers 3% maximum

KEEP OUT OF REACH OF CHILDREN

WARNING/AVISO

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

May be fatal if swallowed. Harmful if inhaled or absorbed through skin. Causes moderate eye irritation. Avoid breathing vapor or spray mist. Avoid contact with skin, eyes, or clothing. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling, and before eating, drinking, or using tobacco. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals,

FIRST AID	
If Swallowed:	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
If on Skin or Clothing:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
If Inhaled:	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
If in Eyes:	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center for treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	

## ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the Environmental Protection Agency.

## PHYSICAL AND CHEMICAL HAZARDS

Do not use or store near heat or open flame.

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

This material requires further mixing before use.

## ONLY FOR FORMULATION INTO AN INSECTICIDE/MITICIDE FOR:

### (1) The following uses:

**Terrestrial Food/Feed Crops:** Bananas (import only), Caneberries, Canola, Cilantro, Citrus, Cotton, Crambe, Cucurbits, Field Corn (Grain and Sillage), Field Corn Grown for Seed, Sweet Corn, Sweet Corn Grown for Seed, Fruiting Vegetables, Globe Artichokes, Grapes, Herbs, Hops, Dried Peas and Beans, Succulent Peas and Beans, Head and Stem Brassica Vegetables, Leafy Brassica Greens, Legume Vegetables, Lettuce (Head), Mayhaw, Okra, Turnip Greens, Tuberous and Corm Vegetables, Peanuts, Pears, Popcorn, Root Crops (except sugar beets), Rapeseed, Soybeans, Spinach, Strawberries, Tobacco, Tree Nuts, Greenhouse Grown Ornamental Trees, Shrubs, Plants, Flowers, Non-Bearing Fruit and Nut Trees.

### Terrestrial Non-Food:

Termiticide and Soil Contact Nonfumigation Treatment  
Wood Treatment and Protection  
Outdoor Insect Control  
Ornamental Plants, Trees, Shrubs, and Vines (Woody)  
Christmas Trees  
Conifer Seed Orchards  
Residential Lawns  
Indoor Insect Control

**Food Handling Establishments:** Places other than private residences in which food is held, processed, prepared or served.

(2) Uses for which U.S. EPA has accepted the required data and/or citation of data that the formulator has submitted in support of registration; and

- (3) Uses for experimental purposes that are in compliance with U.S. EPA requirements.

Formulators using this product to formulate an end-use pesticide product are responsible for obtaining an EPA registration for their end-use product.

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**Storage:** Store in original container, in a cool dry locked area. Store separately from other pesticides, fertilizers, food or feed to prevent contamination. In case of spill or broken container, call Chemtrec at 1-800-424-9300.

**Pesticide Disposal:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional office for guidance.

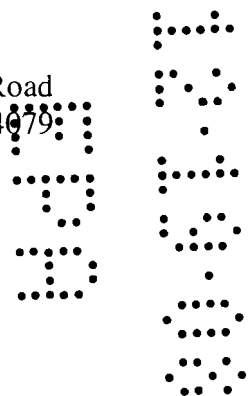
**Container Disposal:** Nonrefillable Container. Do not reuse or refill container. Completely empty container into formulation equipment. Then dispose of empty container in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

### CONDITIONS OF SALE AND LIMITATION OF WARRANTY

Axss USA, LLC warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for the purposes stated on such label only when used in accordance with the directions under normal use conditions. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Axss USA, LLC. To the extent consistent with applicable law, Axss USA, LLC shall not be liable for consequential, special or indirect damages resulting from the use or handling of this product. The exclusive remedy of any Buyer or User of this product and any and all losses, injuries, or damages resulting from or in any way arising from the use, handling, or application of this product, whether in contract, warranty, tort negligence, strict liability, or otherwise, shall not exceed the purchase price of this product. All such risks shall be assumed by the Buyer. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, AXSS USA, LLC MAKES NO WARRANTIES OR MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE NOR ANY OTHER EXPRESSED OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

EPA Reg. No. 83520-5  
EPA Est. No.

Manufactured by:  
Axss USA, LLC  
1100 Platte Falls Road  
Platte City, MO 64679





**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

March 27, 2008

Jane Miller  
Agent for Axss USA, LLC  
115 Obtuse Hill  
Brookfield, Connecticut 06804

Subject: Amendment – adding additional approved uses  
Bifenthrin Technical  
EPA Reg. No. 83520-5  
Your submission dated September 18, 2007

Dear Ms. Miller:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable subject to the comments listed below. Two (2) copies of the finished labeling must be submitted prior to releasing the product for shipment. A stamped copy of the label is enclosed for your records.

1. Add, "To the extent consistent with applicable law" to the beginning of the last sentence in the Warranty statement "... Axss USA, LLC makes no warranties or merchantability ..."
2. Update the pesticide container disposal instructions in accordance with PR Notice 2007-4, "Standards for Pesticide Containers and Containment".

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.



If you have any questions regarding this action, please contact BeWanda Alexander of my team at (703) 305-7460.

Sincerely,

*BeWanda Alexander for*

George T. LaRocca

Product Manager 13

Insecticide Branch

Registration Division (7505C)

Enclosure

# Bifenthrin Technical

## For Manufacturing Use Only

ACCEPTED  
with COMMENTS  
In EPA Letter Dated  
MAR 27 2008  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under EPA Reg. No.  
83520-5

### Active Ingredient:

Bifenthrin: (2-methyl)[1,1'-Biphenyl]-3-yl)methyl-3-(2-chloro-3,3,3-trifluoro-1-Propenyl)-2,2-Dimethyl Cyclopropane Carboxylate.....98.5%

Other Ingredients:..... 1.5%

TOTAL.....100.0%

Cis isomers 97% minimum, trans isomers 3% maximum

KEEP OUT OF REACH OF CHILDREN

## WARNING/AVISO

### PRECAUTIONARY STATEMENTS

#### Hazards to Humans and Domestic Animals

May be fatal if swallowed. Harmful if inhaled or absorbed through skin. Causes moderate eye irritation. Avoid breathing vapor or spray mist. Avoid contact with skin, eyes, or clothing. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling, and before eating, drinking, or using tobacco. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals,

### FIRST AID

<b>If Swallowed:</b>	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
<b>If on Skin or Clothing:</b>	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
<b>If Inhaled:</b>	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
<b>If in Eyes:</b>	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

## **ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish and aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the Environmental Protection Agency.

## **PHYSICAL AND CHEMICAL HAZARDS**

Do not use or store near heat or open flame.

## **DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

This material requires further mixing before use.

## **ONLY FOR FORMULATION INTO AN INSECTICIDE/MITICIDE FOR:**

### **(1) The following uses:**

**Terrestrial Food/Feed Crops:** Bananas (import only), Caneberries, Canola, Cilantro, Citrus, Cotton, Crambe, Cucurbits, Field Corn (Grain and Sillage), Field Corn Grown for Seed, Sweet Corn, Sweet Corn Grown for Seed, Fruiting Vegetables, Globe Artichokes, Grapes, Herbs, Hops, Dried Peas and Beans, Succulent Peas and Beans, Head and Stem Brassica Vegetables, Leafy Brassica Greens, Legume Vegetables, Lettuce (Head), Mayhaw, Okra, Turnip Greens, Tuberous and Corm Vegetables, Peanuts, Pears, Popcorn, Root Crops (except sugar beets), Rapeseed, Soybeans, Spinach, Strawberries, Tobacco, Tree Nuts, Greenhouse Grown Ornamental Trees, Shrubs, Plants, Flowers, Non-Bearing Fruit and Nut Trees.

### **Terrestrial Non-Food:**

Termiticide and Soil Contact Nonfumigation Treatment  
Wood Treatment and Protection  
Outdoor Insect Control  
Ornamental Plants, Trees, Shrubs, and Vines (Woody)  
Christmas Trees  
Conifer Seed Orchards  
Residential Lawns  
Indoor Insect Control

**Food Handling Establishments:** Places other than private residences in which food is held, processed, prepared or served.

(2) Uses for which U.S. EPA has accepted the required data and/or citation of data that the formulator has submitted in support of registration; and

- (3) Uses for experimental purposes that are in compliance with U.S. EPA requirements.

Formulators using this product to formulate an end-use pesticide product are responsible for obtaining an EPA registration for their end-use product.

#### **STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

**Storage:** Store in original container, in a cool dry locked area. Store separately from other pesticides, fertilizers, food or feed to prevent contamination. In case of spill or broken container, call Chemtrec at 1-800-424-9300.

**Pesticide Disposal:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional office for guidance.

**Container Disposal:** Completely empty container into formulation equipment. Then dispose of empty container in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

#### **CONDITIONS OF SALE AND LIMITATION OF WARRANTY**

Axss USA, LLC warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for the purposes stated on such label only when used in accordance with the directions under normal use conditions. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Axss USA, LLC. To the extent consistent with applicable law, Axss USA, LLC shall not be liable for consequential, special or indirect damages resulting from the use or handling of this product. The exclusive remedy of any Buyer or User of this product and any and all losses, injuries, or damages resulting from or in any way arising from the use, handling, or application of this product, whether in contract, warranty, tort negligence, strict liability, or otherwise, shall not exceed the purchase price of this product. All such risks shall be assumed by the Buyer. AXSS USA, LLC MAKES NO WARRANTIES OR MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE NOR ANY OTHER EXPRESSED OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

EPA Reg. No. 83520-5  
EPA Est. No.

Manufactured by:  
Axss USA, LLC  
1100 Platte Falls Road  
Platte City, MO 64079





United States  
Environmental Protection Agency  
Washington, DC 20460

☐ Registration  
☒ Amendment  
☐ Other

OPP Identifier Number

## Application for Pesticide - Section I

1. Company/Product Number 83520-5	2. EPA Product Manager G. LaRocca	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Bifenthrin Technical	PM# 13	
5. Name and Address of Applicant (Include ZIP Code) Axss USA, LLC 1100 Platte Falls Road Platte City, MO 64079 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

## Section - II

<input checked="" type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

This is a label amendment to add crops which appear on the most recently approved "Bifenthrin Technical" label, EPA Reg. No. 279-3055. This action will not fall within the scope of PRIA.

## Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	
				<input type="checkbox"/> Plastic	
				<input type="checkbox"/> Glass	
				<input type="checkbox"/> Paper	
* Certification must be submitted				<input type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/>	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stencilled		<input type="checkbox"/> Other _____			

## Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)					
Name Jane M. Miller		Title Agent		Telephone No. (Include Area Code) (203) 740-1200	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.					5. Date Application Received (Stamped)
nature 		3. Title Agent			
4. Typed Name Jane M. Miller		5. Date September 18, 2007			





**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
**401 M Street, S.W.**  
**WASHINGTON, D.C. 20460**

**Paperwork Reduction Act Notice:** The public reporting burden for this collection of information is estimated to average 1.25 hours per response for registration and 0.25 hours per response for reregistration and special review activities, including time for reviewing the instructions and completing the necessary forms. Send comments regarding burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the completed form to this address.

**Certification with Respect to Citation of Data**

Applicant's/Registrant's Name, Address, and Telephone Number Axis USA, LLC 1100 Platte Falls Road Platte City, MO 64079 (816) 431-9094	EPA Registration Number/File Symbol 83520-5
Active Ingredient(s) and/or representative test compound(s) Bifenthrin	Date Jan. 9, 2008
General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158) Terrestrial Food, Terrestrial Non-Food, Domestic Outdoor, Indoor	Product Name Bifenthrin Technical

**NOTE:** If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statement (EPA Form 8570-27).

☐ I am responding to a Data-Call-In Notice, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

**SECTION I: METHOD OF DATA SUPPORT (Check one method only)**

☒ I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

☐ I am using the selective method of support (or cite-all option under the selective method) and have included with this form a completed list of data requirements (the Data Matrix form must be used).

**SECTION II: GENERAL OFFER TO PAY**

[Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements]

☒ I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application, to the extent required by FIFRA.

**SECTION III: CERTIFICATION**

I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for reregistration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, or one or more of the ingredients in this product, and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses.

I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.

I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (i) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

I certify that the statements I have made on this form and all attachments to it are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature

Date

9/18/2007

Typed or Printed Name and Title

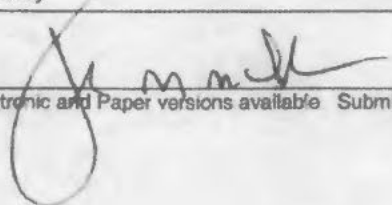
Jane M. Miller, Agent



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**DATA MATRIX**

Date September 18, 2007			EPA Reg. No./File Symbol 83520-5		Page 1 of 8
Applicant's/Registrant's Name & Address Axss USA, LLC 1100 Platte Falls Road Platte City, MO 64079			Product BIFENTHRIN TECHNICAL		
Ingredient Bifenthrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.1550	Product Identity and Composition	46937801	Axss USA, LLC	OWN	
830.1600	Description of Materials Used to Produce the Product	46937801	Axss USA, LLC	OWN	
830.1620	Description of Production Process	46937801	Axss USA, LLC	OWN	
830.1650	Description of Formulation Process				1
830.1670	Discussion of Formation of Impurities	46937801	Axss USA, LLC	OWN	
830.1700	Preliminary Analysis	46937802	Axss USA, LLC		
830.1750	Certified Limits	46937802	Axss USA, LLC	OWN	
830.1800	Enforcement Analytical Method	46937802	Axss USA, LLC	OWN	
830.1900	Submittal of Samples				2
830.6302	Color	46937802	Axss USA, LLC	OWN	
830.6303	Physical State	46937802	Axss USA, LLC	OWN	
830.6304	Odor	46937802	Axss USA, LLC	OWN	
830.6313	Stability to Normal & Elevated Temp. Metal Metal Ion	46937802	Axss USA, LLC	OWN	
830.6314	Oxidation / Reduction	46937802	Axss USA, LLC	OWN	
830.6315	Flammability / Flame Extension	46937802	Axss USA, LLC	OWN	
830.6316	Explosibility				3
830.6317	Storage Stability				4
830.6319	Miscibility				5
Signature 			Name and Title Jane M. Miller, Agent to Axss USA, LLC		Date 09/18/2007

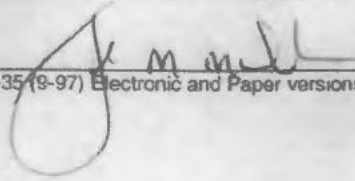
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Ingredient Bifenthrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
	Cite-All		The Scotts Company	PAY	
			Marysville, OH 43041		
			McLaughlin Gormley King Co	PAY	
			Minneapolis, MN 55427		
			Amvac Chemical Corp	PAY	
			Newport Beach CA 92660		
			The Andersons Lawn Fertilizer Div.	PAY	
			Maumee, OH 43537		
			Makhteshim Chemical Works	PAY	
			New York, NY 10176		
			Howard Fertilizer & Chemical	PAY	
			Salem, VA 24153		
			Spray Drift Task Force	PAY	
			Washington, DC 20006		
			Nufarm Americas Inc	PAY	
			Burr Ridge, IL		
			Outdoor Residential Task Force	PAY	
			Washington, DC 20005		
Signature 			Name and Title Jane M. Miller, Agent to Axss USA, LLC		Date 09/18/2007

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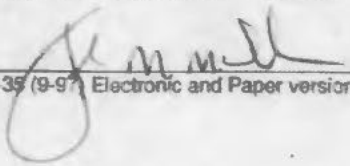
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Ingredient Bifenthrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
	Cite-All		Agricultural Re-Entry Task Force	PAY	
			Washington, DC 20005		
			Fuller System, Inc.	PAY	
			Woburn, MA		
			The Ortho Business Group	PAY	
			Marysville OH 43041		
			FMC Corp.	PAY	
			Philadelphia, PA 19103		
			Non-Dietary Exposure Task Force	PAY	
			Washington, DC		
			Arizona Chemical Group	PAY	
			Los Angeles, CA		
			Lesco Inc.	PAY	
			Strongsville, OH		
			Makhteshim-Agan of North America	PAY	
			New York, NY		
			Ensysstex IV, Inc.	PAY	
			Gig Harbor, WA		
Signature 			Name and Title Jane M. Miller, Agent to Axss USA, LLC		Date 09/18/2007

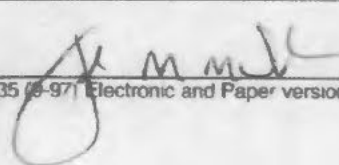
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Applicant's/Registrant's Name & Address Axss USA, LLC 1100 Platte Falls Road Platte City, MO 64079			Product BIFENTHRIN TECHNICAL		
Ingredient Bifenthrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
	Cite-All		United Phosphorus Inc	PAY	
			Trenton, NJ		
			Atex Inc	PAY	
			Valdosta, GA		
			Ensyslex II, Inc.	PAY	
			Gig Harbor, WA		
			Agricultural Handlers Exposure Task	PAY	
			Macon, GA		
			Southern States Cooperative, Inc	PAY	
			Richmond, VA		
			Helena Chemical Co.	PAY	
			Collierville, TN		
			Nisso America, Inc	PAY	
			New York, New York		
			Sunniland Corp	PAY	
			Miami, FL		
			Loveland Products, Inc	PAY	
			Greeley, CO		
Signature 			Name and Title Jane M. Miller, Agent to Axss USA, LLC		Date 09/18/2007

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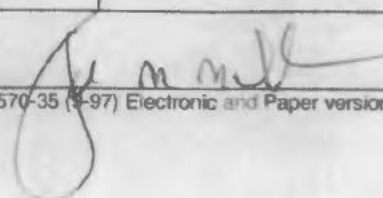
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Applicant's/Registrant's Name & Address Axss USA, LLC 1100 Platte Falls Road Platte City, MO 64079			Product BIFENTHRIN TECHNICAL		
Ingredient Bifenthrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
	Cite-All		Albaugh, Inc.	PAY	
			Valdosta, GA		
			BASF Sparks, LLC	PAY	
			Research Triangle Park, NC		
			Bengel Products, Inc.	PAY	
			Baton Rouge, LA		
			Sapstain Industry Group	PAY	
			Fair Lawn, NJ		
			Univar USA, Inc.	PAY	
			Austin, TX		
			FIFRA Endangered Species TF	PAY	
			Washington, DC		
			Residential Exposure Joint Venture	PAY	
			Washington, DC		
			Control Solutions, Inc.	PAY	
			Pasadena, TX		
			J. Oliver Products, LLC	PAY	
			Hernando, MS		
Signature 			Name and Title Jane M. Miller, Agent to Axss USA, LLC		Date 09/18/2007

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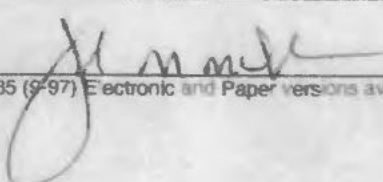
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Applicant's/Registrant's Name & Address Axss USA, LLC 1100 Platte Falls Road Platte City, MO 64079			Product BIFENTHRIN TECHNICAL		
Ingredient Bifenthrin					
Guideline Reference Number	Guideline Study Name	IRID Number	Submitter	Status	Note
830.6320	Corrosion Characteristics				6
830.6321	Dielectric Breakdown Voltage				7
830.7000	pH	46937802	Axss USA, LLC	OWN	
830.7050	UV/Visible Spectrum	46937802	Axss USA, LLC	OWN	
830.7100	Viscosity				8
830.7200	Melting Point/Melting Range	46937802	Axss USA, LLC	OWN	
830.7300	Density	46937802	Axss USA, LLC	OWN	
830.7370	Dissociation Constant				9
830.7550	Partition Coefficient	46937802	Axss USA, LLC	OWN	
830.7840	Water Solubility	46937802	Axss USA, LLC	OWN	
830.7950	Vapor Pressure				10
Any other data that may be required to approve this label amendment		Cite-All		PAY	
The following companies have been sent offer to pay letters					
			Bayer Environmental Science	PAY	
			Research Triangle Park, NC		
Signature 			Name and Title Jane M. Miller, Agent to Axss USA, LLC		Date 09/18/2007

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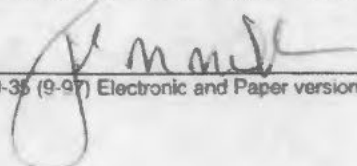
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Applicant's/Registrant's Name & Address Axss USA, LLC 1100 Platte Falls Road Platte City, MO 64079			Product BIFENTHRIN TECHNICAL		
Ingredient Bifenthrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
	Cite-All		Arysta Lifescience North America	PAY	
			Cary, NC		
			Osmose Utilities Services, Inc.	PAY	
			Buffalo, NY		
Signature 			Name and Title Jane M. Miller, Agent to Axss USA, LLC		Date 09/18/2007

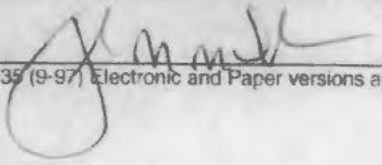
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Ingredient Bifenthrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Axss USA, LLC	OWN	
			Axss USA, LLC	OWN	
			Axss USA, LLC	OWN	
					1
			Axss USA, LLC	OWN	
			Axss USA, LLC	OWN	
			Axss USA, LLC	OWN	
			Axss USA, LLC	OWN	
					2
			Axss USA, LLC	OWN	
			Axss USA, LLC	OWN	
			Axss USA, LLC	OWN	
			Axss USA, LLC	OWN	
			Axss USA, LLC	OWN	
					3
					4
					5
Signature 			Name and Title Jane M. Miller, Agent to Axss USA, LLC		Date 09/18/2007

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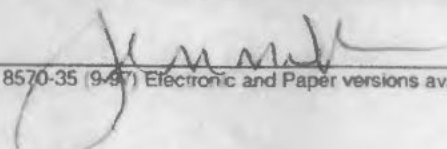


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Ingredient Bifenthrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
					6
					7
			Axss USA, LLC	OWN	
			Axss USA, LLC	OWN	
					8
			Axss USA, LLC	OWN	
			Axss USA, LLC	OWN	
					9
			Axss USA, LLC	OWN	
			Axss USA, LLC	OWN	
					10
				PAY	
			Bayer Environmental Science	PAY	
			Research Triangle Park, NC		
Signature 			Name and Title Jane M. Miller, Agent to Axss USA, LLC		Date 09/18/2007

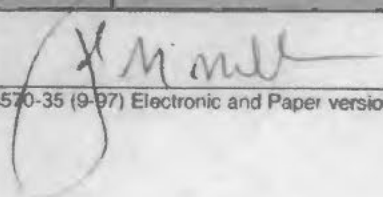
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Ingredient: Bifenthrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			The Scotts Company	PAY	
			Marysville, OH 43041		
			McLaughlin Gormley King Co.	PAY	
			Minneapolis, MN 55427		
			Amvac Chemical Corp.	PAY	
			Newport Beach, CA 92660		
			The Andersons Lawn Fertilizer Div.	PAY	
			Maumee, OH 43537		
			Makhteshim Chemical Works	PAY	
			New York, NY 10176		
			Howard Fertilizer & Chemical	PAY	
			Salem, VA 24153		
			Spray Drift Task Force	PAY	
			Washington, DC 20006		
			Nufarm Americas, Inc.	PAY	
			Burr Ridge, IL		
			Outdoor Residential Task Force	PAY	
			Washington, DC 20005		
Signature 			Name and Title Jane M. Miller, Agent to Axss USA, LLC		Date 09/18/2007

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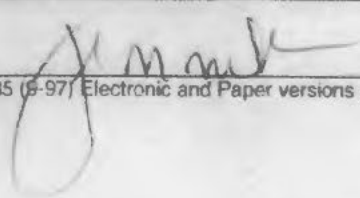
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Ingredient: Bifenthrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Agricultural Re Entry Task Force	PAY	
			Washington, DC 20005		
			Fuller Systems, Inc.	PAY	
			Woburn, MA		
			The Ortho Business Group	PAY	
			Marysville, OH 43041		
			FMC Corp.	PAY	
			Philadelphia, PA 19103		
			Non-Dietary Exposure Task Force	PAY	
			Washington, DC		
			Arizona Chemical Group	PAY	
			Los Angeles, CA		
			Lesco, Inc.	PAY	
			Strongsville, OH		
			Makhteshim-Agan of North America	PAY	
			New York, NY		
			Ensyslex IV, Inc.	PAY	
			Gig Harbor, WA		
Signature 			Name and Title Jane M. Miller, Agent to Axss USA, LLC		Date 09/18/2007

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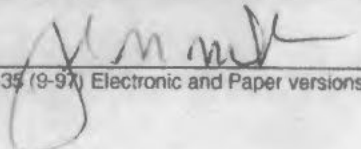
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Ingredient: Bifenthrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			United Phosphorus Inc.	PAY	
			Trenton, NJ		
			Alex Inc.	PAY	
			Valdosta, GA		
			Ensysco II, Inc.	PAY	
			Gig Harbor, WA		
			Agricultural Handlers Exposure Task	PAY	
			Macon, GA		
			Southern States Cooperative	PAY	
			Richmond, VA		
			Helena Chemical Co	PAY	
			Collierville, TN		
			Nisso America, Inc.	PAY	
			New York, New York		
			Sunniland Corp.	PAY	
			Miami, FL		
			Loveland Products, Inc.	PAY	
			Greeley, CO		
Signature 			Name and Title Jane M. Miller, Agent to Axss USA, LLC		Date 09/18/2007

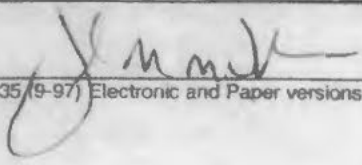
Based on EPA Form 8570-35 (9-97) Electronic and Paper versions available. Submit only Paper version.

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**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
**401 M Street, S.W.**  
**WASHINGTON, D.C. 20460**

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**DATA MATRIX**

Date September 18, 2007			EPA Reg. No./File Symbol 83520-5		Page 6 of 8
Applicant's/Registrant's Name & Address Axss USA, LLC 1100 Platte Falls Road Platte City, MO 64079			Product BIFENTHRIN TECHNICAL		
Ingredient Bifenthrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Albaugh, Inc.	PAY	
			Valdosta, GA		
			BASF Sparks	PAY	
			Research Triangle Park, NC		
			Bengal Products, Inc.	PAY	
			Baton Rouge, LA		
			Spaatain Industry Group	PAY	
			Fair Lawn, NJ		
			Univar USA, Inc.	PAY	
			Austin, TX		
			FIFRA Endangered Species TF	PAY	
			Washington, DC		
			Residential Exposure Joint Venture	PAY	
			Washington, DC		
			Control Solutions, Inc.	PAY	
			Pasadena, TX		
			J. Olivar Products, LLC	PAY	
			Hemando, MS		
Signature 			Name and Title Jane M. Miller, Agent to Axss USA, LLC		Date 09/18/2007

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## DATA MATRIX

Page 7 of 8

BIFENTHRIN TECHNICAL

[illegible]

09/18/2007

### Data Matrix Footnotes

1. **Description of Formulation Process:** Not applicable because the product is a TGAI/MP.
2. **Submittal of Samples:** Not required at this time.
3. **Explodability:** Not applicable. Product is not potentially explosive.
4. **Storage Stability:** Will be submitted if required.
5. **Miscibility:** Not applicable. The product is not intended to be diluted with a petroleum solvent.
6. **Corrosion Characteristics:** Will be submitted if required.
7. **Dielectric Breakdown Voltage:** Not applicable. Product is not intended for use around electrical equipment.
8. **Viscosity:** Not required because product is a solid.
9. **Dissociation Constant:** Not required. The product does not dissociate.
10. **Vapor Pressure:** Published literature indicates that the vapor pressure is below any of the guideline test methods. Therefore it is not possible to determine an accurate reading.

# Material to be added to a Mini-Jacket (in the case where an e-Jacket exists)

Reg. No. 83520-5

Send to SIG: check box ☒

This material is:

- ☒ New stamped-accepted label
- € New CSF
- € Notification
- € Final Printed Label
- € Other: \_\_\_\_\_

**Instructions: Attach this notice on top of the material. It must be clipped all together and there should be NO STAPLES in the material. Then give the material with this coversheet to staff in the Information Services Center (Room 230).**

Reviewer's Name: De'Granda Alexander

Phone: 703-305-7460 Division: RD/IB

Date: 4-9-2007





**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

April 9, 2007

Jane M. Miller  
Axss USA, LLC  
P.O. Box 1401  
St. Joseph, MO 64502-1401

Subject: Amendment: Response to Agency's April 4, 2007 Notice  
Bifenthrin Technical  
EPA Reg. No. 83520-5  
Your Submission Dated April 9, 2007

Dear Ms. Miller:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable. A stamped copy of the label is enclosed for your records.

If you have any questions regarding this action, please contact BeWanda Alexander of my team at (703) 305-7460.

Sincerely,

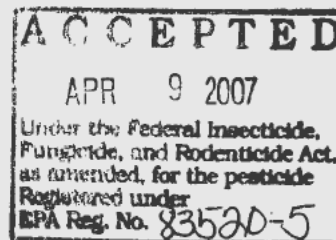
A handwritten signature in dark ink, which appears to read "BeWanda Alexander for", is written over the typed name "George T. LaRocca".

George T. LaRocca  
Product Manager 13  
Insecticide Branch  
Registration Division (7505P)

Enclosure

# Bifenthrin Technical

## For Manufacturing Use Only



### Active Ingredient:

Bifenthrin: (2-methyl)[1,1'-Biphenyl]-3-yl)methyl-3-(2-chloro-3,3,3-trifluoro-1-Propenyl)-2,2-Dimethyl Cyclopropane Carboxylate.....98.5%

Other Ingredients:.....1.5%

TOTAL.....100.0%

Cis isomers 97% minimum, trans isomers 3% maximum

KEEP OUT OF REACH OF CHILDREN

## WARNING/AVISO

### PRECAUTIONARY STATEMENTS

#### Hazards to Humans and Domestic Animals

May be fatal if swallowed. Harmful if inhaled or absorbed through skin. Causes moderate eye irritation. Avoid breathing vapor or spray mist. Avoid contact with skin, eyes, or clothing. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling, and before eating, drinking, or using tobacco. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals,

### FIRST AID

<b>If Swallowed:</b>	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
<b>If on Skin or Clothing:</b>	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
<b>If Inhaled:</b>	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
<b>If in Eyes:</b>	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

### **ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish and aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the Environmental Protection Agency.

### **PHYSICAL AND CHEMICAL HAZARDS**

Do not use or store near heat or open flame.

### **DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

This material requires further mixing before use.

### **ONLY FOR FORMULATION INTO AN INSECTICIDE/MITICIDE FOR:**

#### **(1) The following uses:**

**Terrestrial Food/Feed Crops:** Sweet Corn, Field Corn (Grain and Sillage), Popcorn, Field Corn Grown for Seed, Succulent Peas and Beans, Head and Stem Brassica Vegetables, Legume Vegetables, Globe Artichokes, Lettuce (Head), Cucurbits, Herbs, Cotton, Grapes, Hops, Rapeseed, Canola, Crambe, Strawberries, Caneberries, Bananas (import only), Pears, Citrus, Tomatoes, Peppers (Bell and Non-Bell), Eggplant, Spinach, Tree Nuts.

#### **Terrestrial Non-Food:**

Termiticide and Soil Contact Nonfumigation Treatment  
Wood Treatment and Protection  
Outdoor Insect Control  
Ornamental Plants, Trees, Shrubs, and Vines (Woody)  
Christmas Trees  
Conifer Seed Orchards  
Greenhouse Grown Ornamental Trees, Shrubs, Plants, Flowers  
Non-Bearing Fruit and Nut Trees  
Residential Lawns  
Indoor Insect Control

**Food Handling Establishments:** Places other than private residences in which food is held, processed, prepared or served.

(2) Uses for which U.S. EPA has accepted the required data and/or citation of data that the formulator has submitted in support of registration; and

(3) Uses for experimental purposes that are in compliance with U.S. EPA requirements.

Formulators using this product to formulate an end-use pesticide product are responsible for obtaining an EPA registration for their end-use product.

#### **STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

**Storage:** Store in original container, in a cool dry locked area. Store separately from other pesticides, fertilizers, food or feed to prevent contamination. In case of spill or broken container, call Chemtrec at 1-800-424-9300.

**Pesticide Disposal:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional office for guidance.

**Container Disposal:** Completely empty container into formulation equipment. Then dispose of empty container in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

#### **CONDITIONS OF SALE AND LIMITATION OF WARRANTY**

Axss USA, LLC warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for the purposes stated on such label only when used in accordance with the directions under normal use conditions. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Axss USA, LLC. To the extent consistent with applicable law, Axss USA, LLC shall not be liable for consequential, special or indirect damages resulting from the use or handling of this product. The exclusive remedy of any Buyer or User of this product and any and all losses, injuries, or damages resulting from or in any way arising from the use, handling, or application of this product, whether in contract, warranty, tort negligence, strict liability, or otherwise, shall not exceed the purchase price of this product. All such risks shall be assumed by the Buyer. AXSS USA, LLC MAKES NO WARRANTIES OR MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE NOR ANY OTHER EXPRESSED OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

EPA Reg. No. 83520-5  
EPA Est. No.

Manufactured for:  
Axss USA, LLC  
1100 Platte Falls Road  
Platte City, MO 64079



"Jane M. Miller"  
<jmiller@biologicconsulting.co  
m>

04/09/2007 01:12 PM

Please respond to  
<jmiller@biologicconsulting.co  
m>

To BeWanda Alexander/DC/USEPA/US@EPA

cc

bcc

Subject Re: Axss Bifenthrin Technical; 83520-5

Dear Ms. Alexander:

I have attached a revised label in Pdf format with the changes made as outlined in your letter of April 4<sup>th</sup>, 2007. We did want to make the following comments:

1. As per 2 (a) we have changed the reg. no. to 83520-5
2. As per 2 (b) we have added a "Physical and Chemical Hazards" section, but have correctly stated the warning as "Do not use or store near heat or open flame". The Micro-Flo label (which is what you had referenced) did not have the correct language.
3. As per 2 (c) we added "To the extent consistent with applicable law, Axss USA, LLC shall ..."

We have left on the label the Christmas trees and conifer seed orchards uses as directed.

Please fax us a revised approved label.

Thank you for your consideration.

Regards,

Jane M. Miller  
BIOLOGIC, Inc.  
Tel: 203-740-1200  
Fax: 203-740-1220



Axss Bifenthrin Technical Label - 83520-5 4-4-2007.pdf







U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (H7505C)  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460

EPA Reg. Number:  
83520-5

Date of Issuance:  
APR 4 2007

Term of Issuance:  
Conditional

Name of Pesticide Product:  
Bifenthrin Technical  
Insecticide/Miticide

NOTICE OF PESTICIDE:

☒ Registration  
☐ Reregistration

(Under FIFRA as amended)

Name and Address of Registrant (include ZIP Code):

Axss USA, LLC  
P.O. Box 1401  
St. Joseph, MO 64502-1401

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A), provided that:

1. You will submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. You will make the following label changes before you release the product for shipment:
  - a) Revise the EPA Registration Number to read "EPA Reg. No.83520-5."
  - b) Add "Physical and Chemical Hazards" section including "Do not use or store in open heat or near flame"
  - c) In the warranty statement replace the phrase "In no case shall Axss USA, LLC be liable for .... etc." with "To the extent consistent with applicable law shall Axss USA, LLC be liable for .... etc."
  - d) Delete all the 24(c) use sites i.e. (Christmas trees and conifer seed orchards). These sites are not listed on the me-too label.

Signature of Approving Official:

*George T. LaRocca*  
George T. LaRocca, Product Manager (13)  
Insecticide Branch/Registration Division (7505C)

Date:

*April 4, 2007*

Enclosure

3. Within one year from the date of this notice submit the results of studies for the 830.6317 (one year storage stability) and 830.6320 (corrosion characteristics) studies. For the storage stability study it is recommended that the observations be made at 0, 3, 6, 9, and 12 months intervals.
4. Please submit three (3) copies of your final printed labeling before releasing the product for shipment. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing amended labeling constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

If you have any questions regarding this action, please contact BeWanda Alexander of my team at (703) 305-7460.

# Bifenthrin Technical

## For Manufacturing Use Only

**ACCEPTED**  
**with COMMENTS**  
**In EPA Letter Dated**  
**APR 4 2007**  
 Under the Federal Insecticide,  
 Fungicide, and Rodenticide Act,  
 as amended, for the pesticide  
 registered under EPA Reg. No.  
83520-5

### Active Ingredient:

Bifenthrin: (2-methyl)[1,1'-Biphenyl]-3-yl)methyl-3-(2-chloro-3,3,3-trifluoro-1-Propenyl)-2,2-Dimethyl Cyclopropane Carboxylate.....98.5%

Other Ingredients:.....1.5%

TOTAL.....100.0%

Cis isomers 97% minimum, trans isomers 3% maximum

KEEP OUT OF REACH OF CHILDREN

## WARNING/AVISO

### PRECAUTIONARY STATEMENTS

#### Hazards to Humans and Domestic Animals

May be fatal if swallowed. Harmful if inhaled or absorbed through skin. Causes moderate eye irritation. Avoid breathing vapor or spray mist. Avoid contact with skin, eyes, or clothing. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling, and before eating, drinking, or using tobacco. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals,

### FIRST AID

<b>If Swallowed:</b>	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
<b>If on Skin or Clothing:</b>	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
<b>If Inhaled:</b>	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
<b>If in Eyes:</b>	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center for treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	

## ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the Environmental Protection Agency.

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

This material requires further mixing before use.

## ONLY FOR FORMULATION INTO AN INSECTICIDE/MITICIDE FOR:

### (1) The following uses:

**Terrestrial Food/Feed Crops:** Sweet Corn, Field Corn (Grain and Sillage), Popcorn, Field Corn Grown for Seed, Succulent Peas and Beans, Head and Stem Brassica Vegetables, Legume Vegetables, Globe Artichokes, Lettuce (Head), Cucurbits, Herbs, Cotton, Grapes, Hops, Rapeseed, Canola, Crambe, Strawberries, Caneberries, Bananas (import only), Pears, Citrus, Tomatoes, Peppers (Bell and Non-Bell), Eggplant, Spinach, Tree Nuts.

### Terrestrial Non-Food:

Termiticide and Soil Contact Nonfumigation Treatment  
Wood Treatment and Protection  
Outdoor Insect Control  
Ornamental Plants, Trees, Shrubs, and Vines (Woody)  
Christmas Trees  
Conifer Seed Orchards  
Greenhouse Grown Ornamental Trees, Shrubs, Plants, Flowers  
Non-Bearing Fruit and Nut Trees  
Residential Lawns  
Indoor Insect Control

**Food Handling Establishments:** Places other than private residences in which food is held, processed, prepared or served.

(2) Uses for which U.S. EPA has accepted the required data and/or citation of data that the formulator has submitted in support of registration; and

(3) Uses for experimental purposes that are in compliance with U.S. EPA requirements.

Formulators using this product to formulate an end-use pesticide product are responsible for obtaining an EPA registration for their end-use product.



## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**Storage:** Store in original container, in a cool dry locked area. Store separately from other pesticides, fertilizers, food or feed to prevent contamination. In case of spill or broken container, call Chemtrec at 1-800-424-9300.

**Pesticide Disposal:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional office for guidance.

**Container Disposal:** Completely empty container into formulation equipment. Then dispose of empty container in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## CONDITIONS OF SALE AND LIMITATION OF WARRANTY

Axss USA, LLC warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for the purposes stated on such label only when used in accordance with the directions under normal use conditions. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Axss USA, LLC. In no case shall Axss USA, LLC be liable for consequential, special or indirect damages resulting from the use or handling of this product. The exclusive remedy of any Buyer or User of this product and any and all losses, injuries, or damages resulting from or in any way arising from the use, handling, or application of this product, whether in contract, warranty, tort negligence, strict liability, or otherwise, shall not exceed the purchase price of this product. All such risks shall be assumed by the Buyer. AXSS USA, LLC MAKES NO WARRANTIES OR MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE NOR ANY OTHER EXPRESSED OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

EPA Reg. No. 83520-L  
EPA Est. No.

Manufactured for:  
Axss USA, LLC  
1100 Platte Falls Road  
Platte City, MO 64079

DP BARCODE: D333082; Reg. No. /FILE SYMBOL No.: 83520-L; PRODUCT: Bifenthrin Technical

March 5, 2007

SUBJECT: FEE. Secondary Product Chemistry Review on Bifenthrin Technical

**FEE**

FROM: Shyam B. Mathur, Ph.D  
Product Chemistry Team Leader  
Technical Review Branch/RD (7505P)

*SB Mathur*  
03-05-07  
*pm*

TO: BeWanda Alexander / George Larocca, RM 13  
Insecticide Branch / RD (7505P)

DP BARCODE: D333082  
EPA REG. NO.: 83520-L  
PRODUCT: Bifenthrin Technical  
PCC: 128825  
REGISTRANT: AXSS USA, LLC  
USE: Insecticide

**INTRODUCTION:**

The registrant AXSS USA, LLC has submitted an application for the registration of Bifenthrin Technical produced by [REDACTED] located in [REDACTED]. The applicant has provided a CSF for basic formulation (dated 09-08-06) and supporting product chemistry data under MRID Nos. 469378-01 & 369378-02. The registrant has claimed that the proposed technical is substantially similar to the registered technical with Reg. No. 66330-313 (transferred from Reg. No. 51036-390). The Dynamac Corporation conducted the primary review of the product chemistry data submitted (excluding CSF). TRB has been asked to perform the secondary review.

**SUMMARY OF FINDINGS:**

1. The CSF for basic formulation (dated 08-08-06) is filled out completely and correctly. The nominal concentration (NC) of the active ingredient (98.65%) concurs with the product label claim nominal concentration. The CSF is in compliance with PR Notice 91-2. The proposed certified limits for the AI are in compliance with standard certified limit table set-forth in 40CFR §158.175(b)(2). The proposed upper certified limits of the impurities are based on preliminary analysis and the expected production variability. The product chemistry data submitted corresponding to guideline reference 830.1550 (product identity & composition) and 830.1750 (certified limits) satisfy the data requirements of 40CFR§158.155 and 158.175 respectively [MRID No. 469378-01].
2. The product chemistry data submitted corresponding to guideline 830.1600 (description of materials use to produce the product) satisfy the data requirements of 40CFR§158.160. The registrant has provided the MSDS for all the starting materials used to produce the active ingredient [MRID No. 469378-01].
3. The product chemistry data submitted corresponding to guideline reference 830.1620 (description of production process) satisfy the data requirements for 40CFR§158.162. The active ingredient was produced in seven step integrated batch process. The production process has been described in full details [MRID No. 469378-01].



**DP BARCODE:** D333082; **Reg. No. /FILE SYMBOL No.:** 83520-L; **PRODUCT:** Bifenthrin Technical

4. The product chemistry data submitted corresponding to guideline reference 830.1670 (Discussion on the formation of impurities) satisfy the data requirements for 40CFR§158.167. The registrant has provided the mechanisms of formation and identification of all impurities identified in the 5-batch analysis at  $\geq 0.1\%$ . The registrant has listed one impurity on the CSF [MRID No. 469378-01].

5. The data submitted corresponding the guideline reference 830.1700 (Preliminary analysis) satisfy the data requirements of 40CFR§158.170. Five representative batches of the 98.65% T were analyzed for percent AI and the impurities. The active ingredient content was determined by GC-FID with internal standard method in the TGA/MUP. The organic impurity was also identified and quantified by HPLC/UV, GC-FID, & GC-MS methods. The five batch analysis supported the proposed basic CSF. The closure was 98-99% for all batches [MRID No. 469378-02].

6. The data submitted corresponding the guideline reference 830.1800 (Enforcement Analytical method) satisfy the data requirements of 40CFR§158.180. The GC/FID method (No. 482S02A-1) used for the determination of the AI in the TGA/MUP was validated for precision, linearity and accuracy. The GC method for determination of the only impurity present at  $>0.1\%$  was adequately validated [MRID No. 469378-02].

7. The product chemistry data submitted corresponding to guideline reference 830 Series Subgroup B (physical/chemical properties) for the bifenthrin technical satisfy the data requirements of 40CFR§158.190, excluding the guidelines 830.6317 (storage stability), 830.6320 (corrosion characteristics), 830.7370 (dissociation constant), and 830.7950 (vapor pressure) [MRID No. 469378-02].

## CONCLUSIONS

TRB has reviewed the product chemistry data submitted for 830 series Subgroup A & Subgroup B for bifenthrin technical and has concluded that:

1. The CSF for basic formulation (dated 09-08-06) is acceptable.
2. The product chemistry data submitted corresponding to guidelines 830 series subgroup A are acceptable.
3. The product chemistry data submitted corresponding to guidelines 830 series subgroup B are acceptable, except for the guidelines 830.6317 (storage stability), 830.6320 (corrosion characteristics), 830.7370 (dissociation constant), and 830.7950 (vapor pressure).
4. The registrant is advised to generate & submit the results of the studies corresponding to the guidelines 830.6317 (one year storage stability) & 830.6320 (corrosion characteristics). The registrant is recommended to make observations at 0, 3, 6, 9, & 12 months time intervals. The results must be submitted in the hard copy as well as an electronic copy is requested.
5. The registrant is advised to submit or cite the data corresponding to following guidelines: 830.7370 dissociation constant, and 830.7950 (vapor pressure).
6. The proposed technical product (File Symbol No. 83520-L) was found not to be substantially similar to the registered product with Reg. No. 6630-313 from the product chemistry point of view. The nominal concentration of the AI & physical chemical properties are very similar in the two products; but there are significant differences in the impurity profile of the two products. The registered product has [REDACTED] impurities present at the levels of  $>0.1\%$  as compared to [REDACTED] impurity in the proposed technical. And none of the impurities are common in the two products.

\*Manufacturing process information may be entitled to confidential treatment\*

DP BARCODE: D333082; Reg. No. /FILE SYMBOL No.: 83520-L; PRODUCT: Bifenthrin  
Technical

830.1550. Product Identity & Composition: (MRID No. 46937801)

Common Name: Bifenthrin

Chemical name (CAS): (2-methyl[1,1'-biphenyl]3-yl) methyl-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-  
2,2-

dimethylcyclopropanecarboxylate  
(IUPAC): 2-methylbiphenyl-3-ylmethyl (1RS,3RS)-3-[(Z)-2-chloro-3,3,3-  
trifluoroprop-1-  
enyl]-2,2-dimethylcyclopropanecarboxylate

CAS No.: 82657-04-3

PC Code No.: 128825

Empirical formula:  $C_{23}H_{22}ClF_3O_2$

Molecular Weight: 422.87

Structural formula:

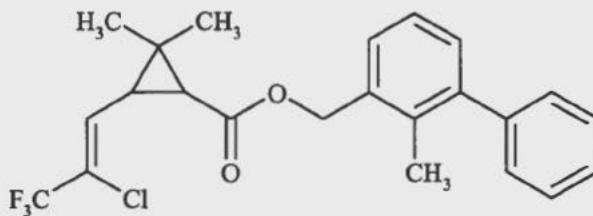


Table 1. Manufacturing and Impurity Data for the Axss USA, LLC 98.5% TGA1/MUP.				
GLN	Requirement	MRID	Status	Details and /or Deficiency
830.1550	Product identity and composition	46937801	A	The NC of the AI (98.5%) is supported by the 5-batch analysis. Impurity at $\geq 0.1\%$ is listed on the product statement of composition.
830.1600	Description of materials used to produce the product	46937801	A	The description & composition for all the starting materials used to produce the bifenthrin technical have been provided by the registrant.
830.1620	Description of production process	46937801	A	The 98.5% technical product is produced in a seven-step integrated batch process. Seven different types of chemical reactions are involved in the synthesis of the AI. The production process has been described in full details. The reaction conditions, amounts of chemicals in each step, duration, and the yields in each step have been provided. The QA steps involved in each step have been described.
830.1670	Discussion of formation of impurities	46937801	A	The registrant has provided the complete mechanisms of formation and identification of all the impurities present at the levels of $\geq 0.1\%$ and theoretical impurities based on chemical theory, raw material specifications, engineering controls and quality control procedures. Impurity was included in the product composition statement at a level of $\geq 0.1$ .
830.1700	Preliminary analysis	46937802	A	Five representative batches of the bifenthrin technical were analyzed for percent active ingredient and the impurities. The purity of the AI in the TGA1 was determined by an internal standard GC/FID method. The impurities were identified & quantified also by GC/FID, HPLC/UV, & GC/MS methods. The five batch analysis supports the statement of composition. Closure was 98-99% for all batches.
830.1750	Certified limits	46937801	A	The proposed certified limits for the AI are within the standard certified limit range; the proposed certified limits for the impurity are based on the five-batch analysis results.
830.1800	Enforcement analytical method	46937802	A	The GC/FID method (No. 482S02A-1) used for the determination of the AI in the TGA1/MUP was validated for precision, linearity and accuracy. The GC method for determination of the only impurity present at $>0.1\%$ was adequately validated.
A = Acceptable; N = unacceptable (see Deficiency); N/A = Not Applicable; G = Data gap; I = In progress or need upgrade; U = Up-grade (additional information required)				



830 Series Subgroup B (Physical-Chemical Properties)

Table 2: Physical and Chemical Properties of: Axss USA LLC 98.5% TGAI/MUP				
GLN	Requirement	MRID	Status	Result or Deficiency [Test substance; method]
830.6302	Color	46937802	A	White Hue: 5R Value: 9.25 Chroma: 0.5 [TGAI/MUP; Munsell color designation]
830.6303	Physical state	46937802	A	Powder (at 25 °C) [TGAI/MUP]
830.6304	Odor	46937802	A	Odorless at ambient temperature [TGAI/MUP]
830.6313	Stability to normal and elevated temperatures, metals, and metal ions	46937802	A	Stable at ambient and elevated (54 °C) temperatures for 14 days; stable upon exposure to iron filings, iron acetate, aluminum rods, and aluminum acetate at ambient and elevated temperatures for 14 days.  The registrant noted some bias in the results (>100%) likely due to not using the internal standard enforcement method for quantitation of the ai. [TGAI/MUP; GC/FID]
830.6314	Oxidation/reduction: chemical incompatibility	46937802	A	Not reactive with deionized water, ammonium phosphate, powdered iron or ferric chloride; no visual signs of chemical reaction or significant temperature changes were observed. [TGAI/MUP]
830.6315	Flammability	46937802	A	Flash point = 168.7 °C [TGAI/MUP; Kohler Pensky-Martens closed cup flash point tester]
830.6316	Explosibility		NA	
830.6317	Storage stability		G	
830.6319	Miscibility		N/A	TGAI/MUP is a solid at room temperature.
830.6320	Corrosion characteristics		G	
830.7000	pH	46937802	A	5.95 at 25 °C (1% aqueous suspension) [TGAI/MUP]
830.7050	UV/Visible absorption	46937802	A	See Note 1
830.7100	Viscosity		N/A	TGAI/MUP is a solid at room temperature.
830.7200	Melting point	46937802	A	71.1 °C [TGAI/MUP]
830.7220	Boiling point		N/A	TGAI is a solid at room temperature
830.7300	Density	46937802	A	Bulk density = 0.305 (pour) or 0.486 (tap) g/mL [TGAI/MUP]
830.7370	Dissociation constants in water (DC)		G	
830.7570	Octanol/water partition coefficient	46937802	A	Log P = 5.8 [TGAI/MUP; estimation by HPLC/UV; the registrant reported that the shake-flask method was N/A]
830.7840	Water solubility	46937802	A	<0.1 ppb at 25 °C [TGAI/MUP; column elution method; HPLC/MS]
830.xxxx	Solvent solubility	46937802	A	At 25 °C: 79.30 g/100 mL acetone 64.99 g/100 mL xylene 5.74 g/100 mL n-octanol [TGAI/MUP; shake flask method; GC/FID quantitation]
830.7950	Vapor pressure		G	

A = Acceptable; N = unacceptable (see Deficiency); N/A = Not Applicable; G = Data gap; I = In progress or need upgrade; U = Up-grade (additional information required); W = waivers

**DP BARCODE:** D333082; **Reg. No. /FILE SYMBOL No.:** 83520-L; **PRODUCT:** Bifenthrin  
Technical

**Note 1.** 830.7050 UV/visible absorption (spectrophotometer)

Solvent	Absorption maxima, wavelength (nm) <sup>1</sup>	Molar Extinction Coefficient, $\epsilon$ (L/mol·cm)
Methanol (neutral)	212	39546
0.1 M HCl in methanol (acidic)	212	37543
0.1 M NaOH in methanol (basic)	218	63002

[TGA/MUP; spectrophotometry]

The registrant noted that the absorbance bands were not well resolved to accurately calculate bandwidths.

**830.1800. Enforcement Analytical Method:** (MRID No. 46937802)

The active ingredient bifenthrin was assayed using GC/FID method No. 482S02A-1. Identity of the active ingredient was confirmed by LC/MS.

Analytical Method No. 482S02A-1 for determination of the active ingredient, bifenthrin

GC operating conditions:

Instrument: Agilent 5890 GC

Detector: Flame ionization detection (FID)

Column: J&W DB-1 (30 m x 0.53 mm, 1.5  $\mu$ m d<sub>f</sub>)

Oven temperature: 45 °C (hold 1 minute) to 200 °C at 25 °C/minute

200 °C (hold 4 minutes) to 300 °C at 5 °C/minute

Carrier gas: Helium at 5 mL/minute

Injection: 1.0  $\mu$ L; split

Calibration: External standard of bifenthrin with the internal standard, triphenyl phosphate.

Retention time: 2.9 minutes for bifenthrin (based on representative chromatograms)

Sample preparation: Technical samples are dissolved in ethyl acetate and mixed with the internal standard.

Adequate validation data were submitted reflecting accuracy, linearity, and precision. Precision was demonstrated in the preliminary analysis study, where replicate samples were analyzed; coefficients of variance were 0.34-1.00%. Accuracy was determined in triplicate samples of the technical product (Batch BIFEN-060120) fortified with bifenthrin; recoveries ranged 98.36-98.92% with an average of 98.57%. Linearity was confirmed over a concentration range of 200 to 1,200  $\mu$ g/mL; the coefficient of determination ( $r^2$ ) was 0.9999. No interferences were observed in the test substance or blank solution chromatograms.

Conclusions: GC Method 482S02A-1 has been adequately validated and is acceptable for enforcement purposes.

Attachment: Confidential Appendix



**DP BARCODE:** D333082; **EPA REG. NO.:** 83520-L; **PRODUCT:** Bifenthrin Technical

\*Pages 144-158 Manufacturing process information may be entitled to confidential treatment\*



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

**TECHNICAL REVIEW BRANCH  
SIMILARITY CLINIC DETERMINATION**

22/FEB/2007

MEMORANDUM

Subject: Name of Pesticide Product: Bifenthrin Technical  
EPA Reg. No. /File Symbol: 83520-L  
DP Barcode: D333081  
Decision No: 370750  
PC Code: 128825

From: Eugenia McAndrew, Biologist  
Technical Review Branch  
Registration Division (7505P)

*Eugenia McAndrew*  
*Bryan T. Bosche*  
*2-22-2007*

To: BeWanda Alexander, RM Team 13  
Insecticide Branch  
Registration Division (7505P)

Applicant: Axss USA, LLC  
P.O. Box 1401  
St. Joseph, MO 64502-1401

FORMULATION FROM LABEL:

<u>Active Ingredient(s):</u>		<u>% by wt.</u>
128825	Bifenthrin	98.5
<u>Inert Ingredient(s):</u>		<u>1.5</u>
Total:		100.0%

**ACTION REQUESTED:** Please review for substantially similar to EPA Reg. No. 51036-390.



**BACKGROUND:**

Axss USA, LLC has applied for registration of Bifenthrin Technical, EPA File Symbol 83520-L, claiming similarity to Bifenthrin 98% Technical, EPA Reg. No. 51036-390, using the cite-all method. Both products are technical grade used only for formulation into insecticides/miticides. Agency files show that the cited product, 51036-390, claimed similarity to FMC Bifenthrin Technical, EPA Reg. No. 279-3055. The CSF submitted for the proposed product is dated September 8, 2006.

**RECOMMENDATIONS:**

TRB has evaluated the formulations of the proposed product, 83520-L, and the cited product, 51036-390, and has determined that the two products are substantially similar. TRB recommends that the proposed product use the same precautionary labeling as the cited product.

In examining the CSF submitted for the proposed product, TRB notes the following: a) there is no indication that the source of the active ingredient is registered and b) only [REDACTED] impurity is listed whereas the CSF for the cited product has [REDACTED] impurities listed. The concern is that one or more of these impurities may be also present in the proposed product at  $\geq 0.1\%$ . TRB recommends that the basic CSF submitted for the proposed product be approved by the TRB Product Chemistry Team.

This memorandum pertains only to the decision concerning whether the subject product is similar to the cited product from an acute toxicological view point. For the purposes of this action, TRB has made no determination of the adequacy of the toxicological data base or the precautionary label of the cited product.

\*Manufacturing process information may be entitled to confidential treatment\*

**AXSS USA, LLC**

P.O. Box 1401  
 St. Joseph, MO 64502-1401  
 Tel: 816-431-9094

DATE: September 13, 2006

TO: Mr. George LaRocca (PM #13)  
 Product Manager, Registration Division, US EPA

FROM: John C. Steffel  
 President

SUBJECT: Bifenthrin Technical; 83520-XXX  
 Application for Pesticide Registration

The following documents are submitted in support of this Application for Pesticide Registration for a "Me-Too" product, old AI:

Volume 1      Administrative Materials

- Application for Pesticide Registration; EPA Form 8570-1
- Data Matrix
- EPA Confidential Statement of Formula; EPA Form 8570-4
- Five (5) copies of draft labeling

3 copies of the following documents:

**46937801**      Volume 2      Product Chemistry and Composition of Bifenthrin TGA; Selected Studies to Fulfill OPPTS Guideline Series 830 in Accordance With 40 CFR Part 158.155, 158.160, 158.162 and 158.167; Description of Materials Used to Produce the Product; Description of Production Process; and Discussion of Formation of Impurities.

**46937802**      Volume 3      Determination of the Physical and Chemical Characteristics and Preliminary Analysis of Technical Bifenthrin

Please be advised that this application is supported by the cite-all option in accordance with FIFRA 3(c)(1)(D). Letters of intent have been sent to all companies listed on the March 31, 2006 Data Submitters List indicating that Axss USA, LLC has applied for the registration of "Bifenthrin Technical". Furthermore, Axss USA, LLC is prepared to send offer to pay letters and submit its Certification with Respect to Citation of Data (EPA Form 8570-34) when the Agency notifies us that such certification is required to issue a registration notice for this product.

This registration action will fall within the PRIA category as stated in Table 4 - Registration Division: New Products as published in the Wednesday March 17, 2004 Federal Register. This action is further defined under EPA No. R31; CR No. 86 as a "New Product", "Non-Fast Track". The PRIA fee for this registration action is therefore \$4,200 and the decision time frame is 6 months.

Should you have any questions or wish to reach me, please feel free to contact my office at (816) 431-9094.

April 4, 2007

Mr. George T. LaRocca  
Product Manager; PM Team 13  
Registration Division (7504P)  
Office of Pesticide Programs  
U.S. Environmental Protection Agency  
Ariel Rios Building  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460

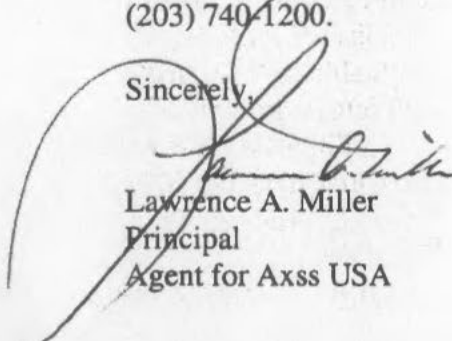
SUBJECT: "Bifenthrin Technical"; EPA File Symbol 83520-1.5

Dear Mr. LaRocca:

Please find the enclosed Certification with Respect to Citation of Data form to complete the above application.

If you have any questions or need additional information, please feel free to contact my office at (203) 740-1200.

Sincerely,



Lawrence A. Miller  
Principal  
Agent for Axss USA







**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
**401 M Street, S.W.**  
**WASHINGTON, D.C. 20460**

**Paperwork Reduction Act Notice:** The public reporting burden for this collection of information is estimated to average 1.25 hours per response for registration and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the completed form to this address.

**Certification with Respect to Citation of Data**

Applicant's/Registrant's Name, Address, and Telephone Number Axss USA, LLC 1100 Platte Falls Road Platte City, MO 64079 (816) 431-9094	EPA Registration Number/File Symbol 83520-XXX
Active Ingredient(s) and/or representative test compound(s) Bifenthrin Technical	Date March 26, 2007
General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158) Terrestrial Food, Terrestrial Non-Food, Domestic Outdoor, Indoor	Product Name Bifenthrin Technical

**NOTE:** If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statement (EPA Form 8570-27).

☐ I am responding to a Data-Call-In Notice, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

**SECTION I: METHOD OF DATA SUPPORT** (Check one method only)

<input checked="" type="checkbox"/> I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).	<input type="checkbox"/> I am using the selective method of support (or cite-all option under the selective method), and have included with this form a completed list of data requirements (the Data Matrix form must be used).
---	--

**SECTION II: GENERAL OFFER TO PAY**

[Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements]

☒ I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application, to the extent required by FIFRA.

**SECTION III: CERTIFICATION**

I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for reregistration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, or one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses.

I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.

I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (i) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

I certify that the statements I have made on this form and all attachments to it are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature 	Date March 26, 2007	Typed or Printed Name and Title Jane M. Miller, Agent
---------------	------------------------	--

2/21/07

**BIOLOGIC** INC.  
*agribusiness professionals*

February 13, 2007

Document Processing Desk (APPL)  
Office of Pesticide Programs (7504P)  
US Environmental Protection Agency  
One Potomac Yard  
2777 S. Crystal Drive  
Room S-4900, 4<sup>th</sup> Floor  
Arlington, VA 22202

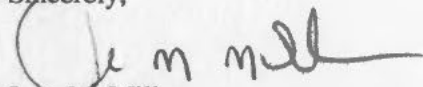
Attention: Mr. G. LaRocca (PM #13)  
RE: Axss USA, LLC  
Application for Pesticide Registration  
"Bifenthrin Technical", EPA File Symbol 83520-L; **OPP Dec. #D-370750**  
Submission of **2<sup>nd</sup> Revised Draft Labeling**

Dear Mr. LaRocca:

On behalf of Axss USA, LLC please find enclosed five (5) copies of revised draft labeling to replace the revised labeling sent February 8, 2007. We had inadvertently left off the use site "Greenhouse Grown Ornamental Trees, Shrubs, Plants, Flowers" from the revised labeling.

Should you have any questions or wish to reach me, please feel free to contact our office at (203) 740-1200.

Sincerely,



Jane M. Miller  
Agent to Axss USA, LLC







Where Products  
and Markets Merge

1100 Platte Falls Road  
Platte City, MO 64079  
Phone: (816) 431-9094  
Fax: (816) 431-3883  
www.axssusa.com

March 27, 2007

Document Processing Desk (REGFEE)  
Office of Pesticide Programs (7504P)  
US Environmental Protection Agency  
One Potomac Yard  
2777 S. Crystal Drive  
Room S-4900, 4<sup>th</sup> Floor  
Arlington, VA 22202

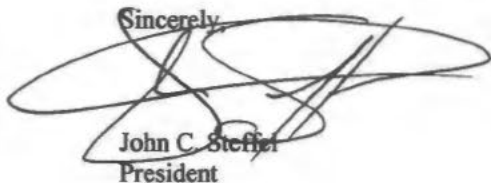
Attention: Mr. George LaRocca (PM #13)  
RE: 83520-L, "Bifenthrin Technical"  
Me-Too; Application for Pesticide Registration  
Certification With Respect to Citation of Data

Dear Mr. LaRocca:

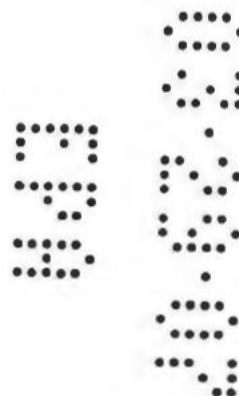
Please find enclosed the Certification with Respect to Citation of Data form (EPA Form #8570-34) to complete the processing of the above-mentioned application.

Should you have any questions or wish to reach me, please feel free to contact my office at (816) 431-9094.

Sincerely,



John C. Steffler  
President





**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
**401 M Street, S.W.**  
**WASHINGTON, D.C. 20460**

**Approximate Response Time:** The public reporting burden for this collection of information is estimated to average 1.225 hours per response for registration and 0.225 hours per response for registration and product review activities, including the time for reviewing the instructions and completing the necessary forms. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to the Director, Office of Information Management, (202) 260-0155, U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, D.C. 20460.

Do not send the completed form to this address.

**Certification with Respect to Status of Data**

Applicant's/Registrant's Name, Address, and Telephone Number: Ward USA, LLC 1100 19th St. SW, Suite 1000, NW, Wash DC 20036-1100	EPA Registration Number/Trade Symbol: 98030-XXXX
Active Ingredient(s) and/or representative chemical compound(s): Cyclohexyl Methylpyridine	Date: March 27, 2008
General Use Pattern(s) (List all those claimed for this product using 40 CFR Part 155): Use as a herbicide on crops: Corn, Soybeans, etc.	Product Name: Cyclohexyl Methylpyridine

NOTE: If your product is 95% or more of one or more EPA-registered product(s) of the same use as you are submitting, you do not need to submit this form. You must submit this form with the exemption statement (EPA Form 8570-227).

☐ I am registering (or a Data Call is in effect, and I have indicated with this form which of my companies are offering compensation) (the Data Call is in effect for the purpose).

**SECTION II: GENERAL INFORMATION**

<input type="checkbox"/> I am using the data call method of support, and I have indicated with this form which of my companies are offering compensation (the Data Call is in effect for the purpose).	<input type="checkbox"/> I am using the selective method of support (or the data call option under the selective method), and I have indicated with this form as completed list of data requirements (the Data Call is in effect for the purpose).
--	--

**SECTION III: GENERAL INFORMATION**

☐ I am using the data call method when using the selective method of support, and I have indicated with this form as completed list of data requirements.

☐ I hereby offer and agree to pay compensation to other persons, with regard to the approval of this application, to the extent required by FIFSA.

**SECTION IV: CERTIFICATION**

I certify that this application for registration, this form for registration, and this Data Call response is supported by all data submitted in this application for registration, the form for registration, or the Data Call response. In addition, I have indicated with this form as completed list of data requirements (the Data Call is in effect for the purpose) in the product, or some or none of the ingredients in the product, and (2) the type of data that would be required to be submitted and in the data requirements in effect in the Data Call of this application. The application is supported by all data submitted in this application for registration, the form for registration, or the Data Call response.

I certify that for each active ingredient, data in support of this registration or re-registration, that I am the original data submitter, or I have obtained the written permission of the original data submitter to submit this data.

I certify that for each active ingredient, data in support of this registration or re-registration that is not an active ingredient, either (a) I am the original data submitter, (b) I have obtained the written permission of the original data submitter to submit this data in support of this application, (c) all persons who have provided compensation have agreed to the data, (d) the data is in the public interest, or (e) I have notified in writing the company that submitted the data, and I have offered (b) to pay compensation to the extent required by sections 2(a)(3)(F) and (2)(G) of FIFSA, and (f) to compensate registration or re-registration of the same active ingredient and form of compensation, if any, is paid to the user of the data.

I certify that in all instances where compensation is required, copies of all offers to pay compensation and all notices of such offers, in accordance with sections 2(a)(3)(F) and (2)(G) of FIFSA, are available and will be submitted to the Agency upon request. I should submit to the Agency upon request, a statement that the Agency may initiate action to deny, suspend or suspend the registration of my product in conformity with FIFSA.

I certify that the information I have made on this form and all attachments is true, accurate, and complete. I understand that any knowingly false or misleading statement may be punishable by the court and the application may be withdrawn.

Signature: 	Date: 3/27/2008	Typed or Printed Name and Title: John J. Ward, President
----------------	--------------------	---

# AXSS USA, LLC

P.O. Box 1401  
St. Joseph, MO 64502-1401  
Tel: 816-431-9094

DATE: September 13, 2006

TO: Mr. George LaRocca (PM #13)  
Product Manager, Registration Division, US EPA

FROM: John C. Steffel  
President

SUBJECT: Bifenthrin Technical; 83520-XXX  
Application for Pesticide Registration

The following documents are submitted in support of this Application for Pesticide Registration for a "Me-Too" product, old AI:

Volume 1      Administrative Materials

- Application for Pesticide Registration; EPA Form 8570-1
- Data Matrix
- EPA Confidential Statement of Formula; EPA Form 8570-4
- Five (5) copies of draft labeling

3 copies of the following documents:

Volume 2      Product Chemistry and Composition of Bifenthrin TGA; Selected Studies to Fulfill OPPTS Guideline Series 830 in Accordance With 40 CFR Part 158.155, 158.160, 158.162 and 158.167; Description of Materials Used to Produce the Product; Description of Production Process; and Discussion of Formation of Impurities.

Volume 3      Determination of the Physical and Chemical Characteristics and Preliminary Analysis of Technical Bifenthrin

Please be advised that this application is supported by the cite-all option in accordance with FIFRA 3(c)(1)(D). Letters of intent have been sent to all companies listed on the March 31, 2006 Data Submitters List indicating that Axss USA, LLC has applied for the registration of "Bifenthrin Technical". Furthermore, Axss USA, LLC is prepared to send offer to pay letters and submit its Certification with Respect to Citation of Data (EPA Form 8570-34) when the Agency notifies us that such certification is required to issue a registration notice for this product.

This registration action will fall within the PRIA category as stated in Table 4 - Registration Division: New Products as published in the Wednesday March 17, 2004 Federal Register. This action is further defined under EPA No. R31; CR No. 86 as a "New Product", "Non-Fast Track". The PRIA fee for this registration action is therefore \$4,200 and the decision time frame is 6 months.

Should you have any questions or wish to reach me, please feel free to contact my office at (816) 431-9094.





United States  
Environmental Protection Agency  
Washington, DC 20460

☒ Registration  
☐ Amendment  
☐ Other

OPP Identifier Number

## Application for Pesticide - Section I

1. Company/Product Number 83520- <del>0000</del> <b>L</b>	2. EPA Product Manager George LaRocca	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Bifenthrin Technical	PM# 13	
5. Name and Address of Applicant (Include ZIP Code) Axss USA, LLC P.O. Box 1401 St. Joseph, MO 64502-1401 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. <b>51036-390</b> Product Name <b>Bifenthrin 98% Technical</b>	

## Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

This application for a new pesticide product will fall within the category on Table 4 - Registration Division: New Products as published in the June 2, 2005 Federal Register. This product is further defined under EPA No. R31; CR No. 86 as a "New Product", "Non-Fast Track." Axss USA, LLC is submitting product chemistry and using the cite-all option under the selective method of support for any data that may be applicable to this registration action. The PRIA fee for this application is \$4,200.

C. Steffel; Voice: (816) 431-9094 Fax: (816) 431-3883; Email: john.steffel@axssusa.com

## Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Metal	
				<input type="checkbox"/> Plastic	
				<input type="checkbox"/> Glass	
				<input type="checkbox"/> Paper	
				<input checked="" type="checkbox"/> Other (Specify) <b>Fibre board</b>	
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 25 kg		5. Location of Label Directions <input checked="" type="checkbox"/> on label	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

## Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)					
Name John C. Steffel		Title President		Telephone No. (Include Area Code) (816) 431-9094	
<b>Certification</b> I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.					6. Date Application Received (Stamped)
2. Signature 		3. Title President			
4. Typed Name John C. Steffel		5. Date Sept. 7, 2006			



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
**401 M Street, S.W.**  
**WASHINGTON, D.C. 20460**

**Paperwork Reduction Act Notice:** The public reporting burden for this collection of information is estimated to average 1.25 hours per response for registration and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the completed form to this address.

**Certification with Respect to Citation of Data**

Applicant/Registrant's Name, Address, and Telephone Number Axess USA, LLC P.O. Box 1401 St. Joseph, MO 64502-1401	EPA Registration Number/File Symbol 83520-300X
Active Ingredient(s) and/or representative test compound(s) Bifenthrin	Date September 22, 2006
General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158) Terrestrial Food, Terrestrial Non-Food, Domestic Outdoor, Indoor, Greenhouse	Product Name Bifenthrin Technical

**NOTE:** If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statement (EPA Form 8570-27).

☐ I am responding to a Data-Call-In Notice, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

**SECTION I: METHOD OF DATA SUPPORT (Check one method only)**

☒ I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

☐ I am using the selective method of support (or cite-all option under the selective method), and have included with this form a completed list of data requirements (the Data Matrix form must be used).

**SECTION II: GENERAL OFFER TO PAY**

[Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements]

☒ I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application, to the extent required by FIFRA.

**SECTION III: CERTIFICATION**

I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for reregistration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, or one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses.

I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.

I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (i) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

I certify that the statements I have made on this form and all attachments to it are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature 	Date 9-25-06	Typed or Printed Name and Title John C. Steffel, President
---------------	-----------------	---





United States  
Environmental Protection Agency  
Washington, DC 20460

☒ Registration  
☐ Amendment  
☐ Other

OPP Identifier Number

## Application for Pesticide - Section I

1. Company/Product Number 83520-L	2. EPA Product Manager George LaRocca	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Bifenthrin Technical	PM# 13	
5. Name and Address of Applicant (Include ZIP Code) Axss USA, LLC 1100 Platte Falls Road Platte City, MO 64079 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

## Section - II

<input type="checkbox"/> Amendment - Explain below. Resubmission in response to Agency letter dated _____	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____ <input type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input checked="" type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Revised draft labeling to delete any wording which would prohibit this product from being used to manufacture end-use products for use in food/feed areas of food handling establishments.

## Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____	
If "Yes" Unit Packaging wgt.      No. per container		If "Yes" Package wgt      No. per container			
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> on label	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled				<input type="checkbox"/> Other _____	

## Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)					
Name Jane M. Miller		Title Agent		Telephone No. (Include Area Code) 203-740-1200	
<b>Certification</b> I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.					6. Date Application Received. (Stamped)  
2. Signature 		3. Title Agent			
4. Typed Name Jane M. Miller		5. Date 2/9/07			

February 13, 2007

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

JANE M. MILLER  
BIOLOGIC, INC.  
AXSS USA, LLC  
115 OBTUSE HILL ROAD  
BROOKFIELD, CT 06804-

PRODUCT NAME: BIFENTHRIN TECHNICAL  
COMPANY NAME: AXSS USA, LLC  
EPA FILE SYMBOL: 83520-L  
EPA RECEIPT DATE: 02/12/07

SUBJECT: RECEIPT OF AMENDMENT

DEAR REGISTRANT:

The Office of Pesticide Programs has received your application for an amendment and it has passed an administrative screen for completeness.

During the initial screen we determined that the application appears to qualify for fast track review. The package will now be forwarded to the Product Manager for review to determine its acceptability for fast track status.

If you have any questions, please contact Registration Division, Risk Management Team 13, at (703) 305-6100.

Sincerely,



Front End Processing Staff  
Information Services Branch  
Information Technology & Resources Management Division

# Fee for Service

{805421r~

This package includes the following

- ☐ New Registration
- ☒ Amendment

- ☐ Studies?      ☐ Fee Waiver?
- ☐ volpay    % Reduction: \_\_\_\_

for Division

- ☐ AD
- ☐ BPPD
- ☒ RD

Risk Mgr. 13

Receipt No.

S-

805421

EPA File Symbol/Reg. No.

83520-XL

Pin-Punch Date:

2/12/2007

☒ This item is NOT subject to FFS action.

## Action Code:

Requested:

Granted:

Amount Due: \$ \_\_\_\_

## Parent/Child Decisions:

NON - FEE

Reviewer: J. Miller

Date: 2-13-07

Remarks:

Resubmission

Superseded by labeling rec'd 2/20/07 98

**BIOLOGIC** INC.  
*agribusiness professionals*

February 9, 2007

Document Processing Desk (APPL)  
Office of Pesticide Programs (7504P)  
US Environmental Protection Agency  
One Potomac Yard  
2777 S. Crystal Drive  
Room S-4900, 4<sup>th</sup> Floor  
Arlington, VA 22202

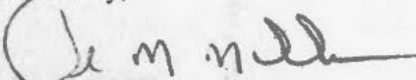
Attention: Mr. G. LaRocca (PM #13)  
RE: Axss USA, LLC  
Application for Pesticide Registration  
"Bifenthrin Technical", EPA File Symbol 83520-L; **OPP Dec. #D-370750**  
Submission of Revised Draft Labeling

Dear Mr. LaRocca:

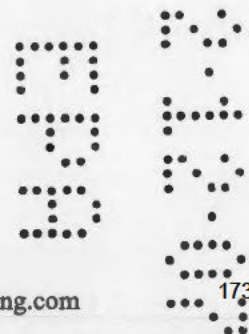
On behalf of Axss USA, LLC please find enclosed five (5) copies of revised draft labeling for their pending application for pesticide registration of "Bifenthrin Technical". This change is to delete any wording which would prohibit this product from being used to manufacture end-use products for use in food/feed areas of food handling establishments. This change is necessary due to correspondence received from Ms. Odiott regarding another Axss USA, LLC end-use product (83520-3).

Should you have any questions or wish to reach me, please feel free to contact our office at (203) 740-1200.

Sincerely,



Jane M. Miller  
Agent to Axss USA, LLC





*Remember to fax me*

George  
LaRocca/DC/USEPA/US  
02/08/2007 01:50 PM

To Olga Odiott/DC/USEPA/US@EPA  
cc  
bcc  
Subject Fw: Revised Axss USA, Inc. Bifenthrin Technical Label - 83520-L

Olga - Since the reviews are not yet completed please replace original label with this label in the reviews that were sent out. Thanksw.

George LaRocca, PM 13  
Insecticides Branch  
Registration Division  
Office of Pesticides Programs, US EPA  
703-305-6100  
larocca.george@epa.gov  
Visit: <http://www.epa.gov/pesticides/>

----- Forwarded by George LaRocca/DC/USEPA/US on 02/08/2007 01:45 PM -----



"Jane M. Miller"  
<jmiller@biologicconsulting.com>  
m>

02/08/2007 01:14 PM

Please respond to  
jmiller@biologicconsulting.com

To George LaRocca/DC/USEPA/US@EPA  
cc  
Subject Revised Axss USA, Inc. Bifenthrin Technical Label - 83520-L

Dear Mr. LaRocca:

Please find attached a revised draft label for the pending application for pesticide registration for Axss USA, LLC "Bifenthrin Technical". We have made changes as a result of the registration notice received from Ms. Odiott for the Axss USA end-use product "Bifen 7.9 SC" 83520-3. We wish to have this label replace the previous labeling submitted with the application for the technical product.

If you want me to send hard copy via Document Processing, please let me know. We also want the Agency to be aware that Axss USA changed its mailing address to 1100 Platte Falls Road, Platte City, MO 64079.

Thank you,

Jane M. Miller  
BIOLOGIC, Inc.  
Tel: 203-740-1200  
Fax: 203-740-1220



Axss Bifenthrin Technical Label.doc

*John H. Andrew to J. Miller*





"Jane M. Miller"  
<jmiller@biologicconsulting.com>

02/08/2007 12:01 PM

Please respond to  
jmiller@biologicconsulting.com

To Olga Odiott/DC/USEPA/US@EPA  
cc George LaRocca/DC/USEPA/US@EPA

bcc

Subject EPA Comments Regarding Approval for EPA Reg. No.  
83520-3

Dear Ms. Odiott:

I have received your Notice of Pesticide Approval for the Axss USA, LLC end-use product "Bifen 7.9 SC". This end-use product is a generic bifenthrin termiticide/insecticide formulation. I have a question concerning item number 4 on page 2 of the letter. In that you state only 2 of the technical products listed on the CSF's (registered by [REDACTED] identified as alternate #1 & #2) may be used to formulate this product. You have stated that the three other technical products listed (on the basic formulation and alternate #3 registered by [REDACTED] as not being appropriately labeled for the uses on the end-use product [REDACTED] thus they may not be used in the formulation.

Is this correct? I am surprised because we have registered at least 2 other bifenthrin 7.9 products without this issue. I just received the approval for the [REDACTED] and there was no mention of a problem with the CSF's. I also believe that [REDACTED] and others use their technical products to manufacture their own similar end-use products.

If this is correct, Axss USA wished us to revise their pending Bifenthrin Technical label (83520-L) so that we do not have this problem. Please let me know the correct language to use. Should we copy the [REDACTED]

Please let me know as soon as possible.

Thank you for your assistance.

Jane M. Miller  
BIOLOGIC, Inc.  
Tel: 203-740-1200  
Fax: 203-740-1220

# Bifenthrin Technical

## For Manufacturing Use Only

### Active Ingredient:

Bifenthrin: (2-methyl)[1,1'-Biphenyl]-3-yl)methyl-3-(2-chloro-3,3,3-trifluoro-1-Propenyl)-2,2-Dimethyl Cyclopropane Carboxylate.....98.5%

Other Ingredients:..... 1.5%

TOTAL.....100.0%

Cis isomers 97% minimum, trans isomers 3% maximum

KEEP OUT OF REACH OF CHILDREN

## WARNING/AVISO

### PRECAUTIONARY STATEMENTS

#### Hazards to Humans and Domestic Animals

May be fatal if swallowed. Harmful if inhaled or absorbed through skin. Causes moderate eye irritation. Avoid breathing vapor or spray mist. Avoid contact with skin, eyes, or clothing. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling, and before eating, drinking, or using tobacco. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals,

<b>FIRST AID</b>	
<b>If Swallowed:</b>	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
<b>If on Skin or Clothing:</b>	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
<b>If Inhaled:</b>	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
<b>If in Eyes:</b>	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center for treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	

## ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the Environmental Protection Agency.

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

This material requires further mixing before use.

## ONLY FOR FORMULATION INTO AN INSECTICIDE/MITICIDE FOR:

### (1) The following uses:

**Terrestrial Food/Feed Crops:** Sweet Corn, Field Corn (Grain and Sillage), Popcorn, Field Corn Grown for Seed, Succulent Peas and Beans, Head and Stem Brassica Vegetables, Legume Vegetables, Globe Artichokes, Lettuce (Head), Cucurbits, Herbs, Cotton, Grapes, Hops, Rapeseed, Canola, Crambe, Strawberries, Caneberries, Bananas (import only), Pears, Citrus, Tomatoes, Peppers, (Bell and Non-Bell), Eggplant, Spinach, Tree Nuts.

### Terrestrial Non-Food:

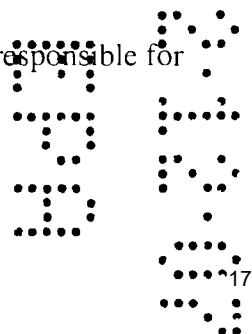
Termiticide and Soil Contact Nonfumigation Treatment  
Wood Treatment and Protection  
Outdoor Insect Control  
Ornamental Plants, Trees, Shrubs, and Vines (Woody)  
Christmas Trees  
Conifer Seed Orchards  
Non-Bearing Fruit and Nut Trees  
Residential Lawns  
Indoor Insect Control

**Food Handling Establishments:** Places other than private residences in which food is held, processed, prepared or served.

(2) Uses for which U.S. EPA has accepted the required data and/or citation of data that the formulator has submitted in support of registration; and

(3) Uses for experimental purposes that are in compliance with U.S. EPA requirements.

Formulators using this product to formulate an end-use pesticide product are responsible for obtaining an EPA registration for their end-use product.



## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**Storage:** Store in original container, in a cool dry locked area. Store separately from other pesticides, fertilizers, food or feed to prevent contamination. In case of spill or broken container, call Chemtrec at 1-800-424-9300.

**Pesticide Disposal:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional office for guidance.

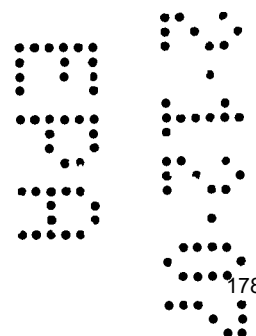
**Container Disposal:** Completely empty container into formulation equipment. Then dispose of empty container in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## CONDITIONS OF SALE AND LIMITATION OF WARRANTY

Axss USA, LLC warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for the purposes stated on such label only when used in accordance with the directions under normal use conditions. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Axss USA, LLC. In no case shall Axss USA, LLC be liable for consequential, special or indirect damages resulting from the use or handling of this product. The exclusive remedy of any Buyer or User of this product and any and all losses, injuries, or damages resulting from or in any way arising from the use, handling, or application of this product, whether in contract, warranty, tort negligence, strict liability, or otherwise, shall not exceed the purchase price of this product. All such risks shall be assumed by the Buyer. AXSS USA, LLC MAKES NO WARRANTIES OR MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE NOR ANY OTHER EXPRESSED OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

EPA Reg. No. 83520-L  
EPA Est. No.

Manufactured for:  
Axss USA, LLC  
1100 Platte Falls Road  
Platte City, MO 64079



George  
LaRocca/DC/USEPA/US

10/09/2006 12:25 PM

To Linda Arrington/DC/USEPA/US,

cc

bcc


Subject EPA File Symbol 83520-L

Hi Linda - This submission should be changed back to an R-31 as originally requested instead of a R-30. Even though the registrant is supporting the product under the "Cite All" method it uses an unregistered source of ai. They have submitted chemistry data. I have jacket and data. Thanks.

George LaRocca, PM 13  
Insecticides Branch  
Registration Division  
Office of Pesticides Programs, US EPA  
703-305-6100  
larocca.george@epa.gov  
Visit: <http://www.epa.gov/pesticides/>



John Jamula/DC/USEPA/US  
09/26/2006 03:39 PM

To Linda Arrington/DC/USEPA/US@EPA  
cc George LaRocca/DC/USEPA/US@EPA  
bcc  
Subject Re: revised bill 

Done... JJ>

Linda Arrington/DC/USEPA/US



Linda  
Arrington/DC/USEPA/US  
09/26/2006 02:23 PM

To John Jamula/DC/USEPA/US@EPA, George  
LaRocca/DC/USEPA/US@EPA  
cc  
Subject revised bill

JJ,

Please reissue a new bill for 83520-L from R31 to R30. They have included the correct paperwork to make this change. Thanks

Linda Arrington  
Registration Division  
703 305 6249  
703 305 6920 (fax)



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

*File Com*

September 26, 2006

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

PLEASE RETURN A COPY OF THIS LETTER WITH PAYMENT

OPP Decision Number: D-370750  
EPA File Symbol or Registration Number: 83520-L  
Product Name: BIFENTHRIN TECHNICAL  
EPA Receipt Date: 19-Sep-2006  
EPA Company Number: 83520  
Company Name: AXSS USA, LLC

BIOLOGIC, INC.  
AXSS USA, LLC  
115 OBTUSE HILL ROAD  
BROOKFIELD, CT 06804-

SUBJECT: Receipt of Application Subject to Registration Service Fee - Fast Track -- **Revised**

Dear Registrant:

The Office of Pesticide Programs has received your application for registration. If you submitted data with this application, the results of the PRN-86-5 screen will be communicated separately. During the administrative screen, the Office of Pesticide Programs has determined that this Action is subject to a Pesticide Registration Service Fee as defined in the Pesticide Registration Improvement Act.

**The Action previously identified as R31 has been reclassified as Action Code: R30**

NEW PRODUCT; ME-TOO PRODUCT FAST TRACK;

Within 30 days, please remit payment in the amount of: \$ 1,050 to the address below.

If you do not submit payment within 30 days of the date of this letter, the Agency will reject your application pursuant to Section 3(c)(3)(B) of FIFRA. Any subsequent submission relating to this action must be submitted as a new application.

By USPS:  
USEPA Washington Finance Center  
Pesticide Registration Service Fee  
PO Box 360277  
Pittsburgh, PA 15251

By Courier:

U.S. EPA Washington Finance Center  
Pesticide Registration Service Fee  
C/O Mellon Client Service Center  
500 Ross Street, Room 670  
Box 360277  
Pittsburgh, PA 15251-6277  
Attn: EPA Module Supervisor  
Telephone: (412) 236-2294

All payments must be in United States currency by check, bank draft, or money order drawn to the order of the Environmental Protection Agency. To ensure proper credit, please write the OPP DECISION NUMBER on your check, and enclose a copy of this letter with your payment.

You may be eligible for a full or partial waiver of the registration service fee if, for example, you qualify as a small business or are applying for a minor use, or if your application is solely associated with an IR-4 tolerance petition. Please be advised that if you intend to request a waiver, you must do so in writing within 15 days of receipt of this invoice instead of remitting the amount indicated above. OPP will not consider waiver requests after the registration service fee has been paid. Information regarding eligibility and how to request and document a fee waiver is available on the OPP Fee for Service web site at [www.epa.gov/pesticides/fees](http://www.epa.gov/pesticides/fees).

Please send Registration Service Fee Waiver requests to:

By USPS:

Document Processing Desk (WAIVER)  
Office of Pesticide Programs (7504P)  
U.S. Environmental Protection Agency  
1200 Pennsylvania Avenue NW  
Washington, D.C. 20460

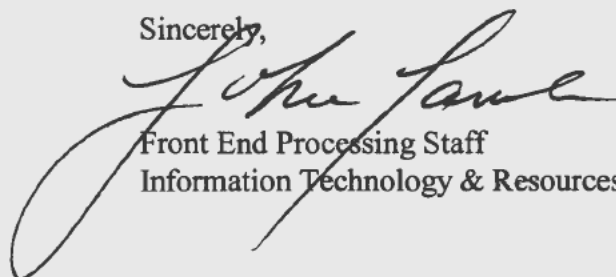
By Courier:

Document Processing Desk (WAIVER)  
Office of Pesticide Programs (7504P)  
U.S. Environmental Protection Agency  
Room S-4900, One Potomac Yard  
2777 S. Crystal Drive.  
Arlington, VA 22202

A PRIA decision time review period will not start until a fee waiver is granted and/or the Agency receives certification that the outstanding fee has been paid. If the Agency does not receive certification of payment for this action or a fee waiver request within the next 45 days, the Agency will presume that you no longer want to pursue this action. The Agency will then initiate a process that may result in administrative withdrawal of this action.

If you have any questions, please contact the Pesticide Registration Service Fee Ombudsman at (703) 305-6249.

Sincerely,



Front End Processing Staff  
Information Technology & Resources Management Division



Linda  
Arrington/DC/USEPA/US  
09/26/2006 02:23 PM

To John Jamula/DC/USEPA/US@EPA, George  
LaRocca/DC/USEPA/US@EPA  
cc  
bcc  
Subject revised bill

JJ,

Please reissue a new bill for 83520-L from R31 to R30. They have included the correct paperwork to make this change. Thanks

Linda Arrington  
Registration Division  
703 305 6249  
703 305 6920 (fax)



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

*File  
copy*

September 22, 2006

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

PLEASE RETURN A COPY OF THIS LETTER WITH PAYMENT

OPP Decision Number: D-370750  
EPA File Symbol or Registration Number: 83520-L  
Product Name: BIFENTHRIN TECHNICAL  
EPA Receipt Date: 19-Sep-2006  
EPA Company Number: 83520  
Company Name: AXSS USA, LLC

BIOLOGIC, INC.  
AXSS USA, LLC  
115 OBTUSE HILL ROAD  
BROOKFIELD, CT 06804-

SUBJECT: Receipt of Registration Application Subject to Registration Service Fee -- Revised

Dear Registrant:

The Office of Pesticide Programs has received your application for registration. If you submitted data with this application, the results of the PRN-86-5 screen will be communicated separately. During the administrative screen, the Office of Pesticide Programs has determined that this Action is subject to a Pesticide Registration Service Fee as defined in the Pesticide Registration Improvement Act.

The Action previously identified as R33 has been reclassified as Action Code: R31

NEW PRODUCT;NON-FAST TRACK (INCLUDES REVIEWS OF PRODUCT  
CHEMISTRY;ACUTE TOXICITY;PUBLIC HEALTH PEST EFFICACY);

Please remit payment in the amount of: \$ 4,200 to:

By USPS:  
USEPA Washington Finance Center  
Pesticide Registration Service Fee  
PO Box 360277  
Pittsburgh, PA 15251



By Courier:

U.S. EPA Washington Finance Center  
Pesticide Registration Service Fee  
C/O Mellon Client Service Center  
500 Ross Street, Room 670  
Box 360277  
Pittsburgh, PA 15251-6277  
Attn: EPA Module Supervisor  
Telephone: (412) 236-2294

All payments must be in United States currency by check, bank draft, or money order drawn to the order of the Environmental Protection Agency. To ensure proper credit, please write the OPP DECISION NUMBER on your check, and enclose a copy of this letter with your payment.

You may be eligible for a full or partial waiver of the registration service fee if, for example, you qualify as a small business or are applying for a minor use, or if your application is solely associated with an IR-4 tolerance petition. Please be advised that if you intend to request a waiver, you must do so in writing within 15 days of receipt of this invoice instead of remitting the amount indicated above. OPP will not consider waiver requests after the registration service fee has been paid. Information regarding eligibility and how to request and document a fee waiver is available on the OPP Fee for Service web site at [www.epa.gov/pesticides/fees](http://www.epa.gov/pesticides/fees).

Please send Registration Service Fee Waiver requests to:

By USPS:

Document Processing Desk (WAIVER)  
Office of Pesticide Programs (7504P)  
U.S. Environmental Protection Agency  
1200 Pennsylvania Ave NW  
Washington, DC 20460

By Courier:

Document Processing Desk (WAIVER)  
Office of Pesticide Programs (7504P)  
U.S. Environmental Protection Agency  
Room S-4900, One Potomac Yard  
2777 S. Crystal Drive  
Arlington, VA 22202

A PRIA decision time review period will not start until a fee waiver is granted and/or the Agency receives certification that the outstanding fee has been paid. If the Agency does not receive certification of payment for this action or a fee waiver request within the next 45 days, the Agency will presume that you no longer want to pursue this action. The Agency will then initiate a process that may result in administrative withdrawal of this action.

If you have any questions, please contact the Pesticide Registration Service Fee Ombudsman at (703) 305-6249.

Sincerely,



Front End Processing Staff  
Information Technology & Resources Management Division



Linda  
Arrington/DC/USEPA/US  
09/22/2006 02:25 PM

To John Jamula/DC/USEPA/US@EPA  
cc John Hebert/DC/USEPA/US@EPA, George  
LaRocca/DC/USEPA/US@EPA  
bcc  
Subject revised bill

Hi JJ,

Please revise the bill for 83520-L from R33 to R31

Also reivse bill for 59639-108 D 368885 From R35 to R23.

Thanks

Linda Arrington  
Registration Division  
703 305 6249  
703 305 6920 (fax)



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

September 20, 2006

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

PLEASE RETURN A COPY OF THIS LETTER WITH PAYMENT

OPP Decision Number: D-370750  
EPA File Symbol or Registration Number: 83520-L  
Product Name: BIFENTHRIN TECHNICAL  
EPA Receipt Date: 19-Sep-2006  
EPA Company Number: 83520  
Company Name: AXSS USA, LLC

John C. Steffel  
BIOLOGIC, INC.  
AXSS USA, LLC  
115 OBTUSE HILL ROAD  
BROOKFIELD, CT 06804-

SUBJECT: Receipt of Registration Application Subject to Registration Service Fee

Dear Registrant:

The Office of Pesticide Programs has received your application for registration. If you submitted data with this application, the results of the PRN-86-5 screen will be communicated separately. During the administrative screen, the Office of Pesticide Programs has determined that this Action is subject to a Pesticide Registration Service Fee as defined in the Pesticide Registration Improvement Act.

The Action has been identified as Action Code: R33

NEW MANUFACTURING USE PRODUCT;OLD AI;SELECTIVE CITATION;

Please remit payment in the amount of: \$ 15,750 to:

By USPS:  
USEPA Washington Finance Center  
Pesticide Registration Service Fee  
PO Box 360277  
Pittsburgh, PA 15251

**By Courier:**

U.S. EPA Washington Finance Center  
Pesticide Registration Service Fee  
C/O Mellon Client Service Center  
300 Ross Street, Room 670  
Pittsburgh, PA 15221-6277  
Attn: EPA Pesticide Registration  
Telephone: (412) 236-2294

All payments must be in United States currency by check, bank draft, or money order drawn to the order of the Environmental Protection Agency. To ensure proper credit, please write the **OPP REGISTRATION NUMBER** on your check, and enclose a copy of this letter with your payment.

You may be eligible for a full or partial waiver of the registration service fee if, for example, you qualify as a small business or are applying for a minor use, or if your application is solely associated with an IR-4 tolerance petition. Please be advised that if you intend to request a waiver, you must do so in writing within 15 days of receipt of this invoice instead of remitting the amount indicated above. OPP will not consider waiver requests after the registration service fee has been paid. Information regarding eligibility and how to request and document a fee waiver is available on the OPP Fee for Service web site at [www.epa.gov/petitioner/fees](http://www.epa.gov/petitioner/fees).

Please send Registration Service Fee Waiver requests to:

**By USPS:**

Document Processing Desk (WAIVER)  
Office of Pesticide Programs (7504P)  
U.S. Environmental Protection Agency  
1200 Pennsylvania Ave. NW  
Washington, DC 20460

**By Courier:**

Document Processing Desk (WAIVER)  
Office of Pesticide Programs (7504P)  
U.S. Environmental Protection Agency  
Room 3-4900, One Potomac Yard  
2777 S. Crystal Drive  
Arlington, VA 22202

A EPA decision time review period will not start until a fee waiver is granted and/or the Agency receives certification that the outstanding fee has been paid. If the Agency does not receive certification of payment for this action or a fee waiver request within the next 45 days, the Agency will presume that you no longer want to pursue this action. The Agency will then initiate a process that may result in administrative withdrawal of this action.

If you have any questions, please contact the Pesticide Registration Service Fee Coordinator at (703) 305-6249.

Sincerely,



Front End Processing Staff  
Information Technology & Resources Management Division

# Fee for Service

10  
799248T~

This package includes the following

- New Registration
- Amendment

✓ Studies? Fee Waiver?  
volpay % Reduction: \_\_\_\_

for Division

- AD
- BPPD
- RD

Risk Mgr. 13

Receipt No.

S- 799248

EPA File Symbol/Reg. No.

83520-L

Pin-Punch Date:

9/19/2006

☐ This item is NOT subject to FFS action.

## Action Code:

Requested:

R31

Granted:

R3B

Amount Due: \$ 15,750

## Parent/Child Decisions:

Reviewer:

JPH

Date:

9/20/06

Remarks:

~ no data comp form  
~ matrix is completely filled out  
~ application says "cite all under selective" but transmittal says "cite all" (+ will submit data comp form later).





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

September 21, 2006

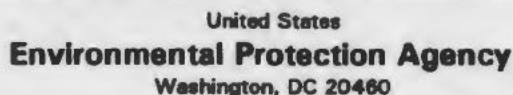
OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

BIOLOGIC, INC.  
AXSS USA, LLC  
115 OBTUSE HILL ROAD  
BROOKFIELD, CT 06804-

Report of Analysis for Compliance with PR Notice 86-5

Thank you for your submittal of 19-SEP-06. Our staff has completed a preliminary analysis of the material. The results are provided as follows:

Your submittal was found to be in full compliance with the standards for submission of data contained in PR Notice 86-5. A copy of your bibliography is enclosed, annotated with Master Record ID's (MRIDs) assigned to each document submitted. Please use these numbers in all future references to these documents. Thank you for your cooperation. If you have any questions concerning this data submission, please raise them with the cognizant Product Manager, to whom the data have been released.



<input checked="" type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input type="checkbox"/>	Other

**OPP Identifier Number**

## Application for Pesticide - Section I

1. Company/Product Number 83520- <del>888</del> <b>L</b>	2. EPA Product Manager George LaRocca	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Bifenthrin Technical	PM# 13	
5. Name and Address of Applicant (Include ZIP Code)  Axss USA, LLC P.O. Box 1401 St. Joseph, MO 64502-1401  <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. <u>51036-390</u>  Product Name <u>Bifenthrin 98% Technical</u>	

## Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)






This application for a new pesticide product will fall within the category on Table 4 - Registration Division: New Products as published in the June 2, 2005 Federal Register. This product is further defined under EPA No. R31; CR No. 86 as a "New Product", "Non-Fast Track." Axss USA, LLC is submitting product chemistry and using the cite-all option under the selective method of support for any data that may be applicable to this registration action. The PRIA fee for this application is \$4,200.

C. Steffel; Voice: (816) 431-9094 Fax: (816) 431-3883; Email: [john.steffel@axssusa.com](mailto:john.steffel@axssusa.com)

### Section - III

1. Material This Product Will Be Packaged In:					2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input checked="" type="checkbox"/> Other (Specify) <u>Fibre board</u>
<i>Certification must be submitted</i>		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container	
3. Location of Net Contents Information			4. Size(s) Retail Container		5. Location of Label Directions	
<input checked="" type="checkbox"/> Label <input type="checkbox"/> Container			25 kg		<input checked="" type="checkbox"/> on label	
6. Manner in Which Label is Affixed to Product			<input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled <input type="checkbox"/> Other _____			

## Section - IV

1. Contact Point <i>(Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)</i>		
Name John C. Steffel	Title President	Telephone No. (Include Area Code) (816) 431-9094
<b>Certification</b>  I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title President	   
Typed Name John C. Steffel	5. Date Sept. 7, 2006	

# AXSS USA, LLC

P.O. Box 14011  
St. Joseph, MO 64502-1401  
Tel: (816) 431-9094

DATE: September 13, 2006  
TO: Mr. George LaFrance (FOI #13)  
Product Manager, Registration Division, USEPA  
FROM: John C. Bedford  
President  
SUBJECT: Blenthrin Technical; 85520-XXXX  
Application for Pesticide Registration

The following documents are submitted in support of this Application for Pesticide Registration for a "New-Track" product, add-on:

Volume 1 Administrative Materials  
-- Application for Pesticide Registration, EPA Form 8570-1  
-- Data Matrix  
-- EPA Confidential Statement of Formula, EPA Form 8570-4  
-- Five (5) copies of draft labeling

Three copies of the following documents:

Volume 2 Product Chemistry and Composition of Blenthrin TEA; Selected Studies to Fulfill OPPS Guideline Series 850 in Accordance With 40 CFR Part 158.155, 158.160, 158.162 and 158.167; Description of Materials Used to Produce the Product; Description of Production Process; and Discussion of Formation of Impurities.

Volume 3 Determination of the Physical and Chemical Characteristics and Preliminary Analysis of Technical Blenthrin

Please be advised that this application is supported by the site-all option in accordance with FIFRA 3(c)(1)(D). Letters of intent have been sent to all companies listed on the March 31, 2006 Data Submitters List indicating that Axess USA, LLC has applied for the registration of "Blenthrin Technical". Furthermore, Axess USA, LLC is prepared to send offer to pay letters and submit to Certification with Request to Citation of Data (EPA Form 8570-24) when the Agency notifies us that such certification is required to issue a registration notice for this product.

This registration action will fall within the FIFRA category as stated in Table 4 -- Registration Division: New Products as published in the Wednesday, March 17, 2004 Federal Register. This action is further defined under EPA No. 821; CFR No. 85 as a "New Product", "Non-Fast Track". The FIFRA fee for this registration action is therefore \$4,200 and the decision time frame is 6 months.

Should you have any questions or wish to reach me, please feel free to contact my office at (816) 431-9094.





## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

401 M Street, S.W.  
WASHINGTON, D.C. 20460

**Paperwork Reduction Act Notice:** The public reporting burden for this collection of information is estimated to average 1.25 hours per response for registration and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the completed form to this address.

## Certification with Respect to Citation of Data

Applicant's/Registrant's Name, Address, and Telephone Number Axss USA, LLC 1100 Platte Falls Road Platte City, MO 64079 (816) 431-9094	EPA Registration Number/File Symbol 83520- <del>XXX</del> 5
Active Ingredient(s) and/or representative test compound(s) Bifenthrin Technical	Date March 26, 2007
General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158) Terrestrial Food, Terrestrial Non-Food, Domestic Outdoor, Indoor	Product Name Bifenthrin Technical

**NOTE:** If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statement (EPA Form 8570-27).

☐ I am responding to a Data-Call-In Notice, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

## SECTION I: METHOD OF DATA SUPPORT (Check one method only)

☒ I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

☐ I am using the selective method of support (or cite-all option under the selective method), and have included with this form a completed list of data requirements (the Data Matrix form must be used).

## SECTION II: GENERAL OFFER TO PAY

[Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements]

☒ I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application, to the extent required by FIFRA.

## SECTION III: CERTIFICATION

I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for reregistration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, or one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses.

I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.

I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (i) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

I certify that the statements I have made on this form and all attachments to it are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature 	Date March 26, 2007	Typed or Printed Name and Title Jane M. Miller, Agent
---------------	------------------------	--

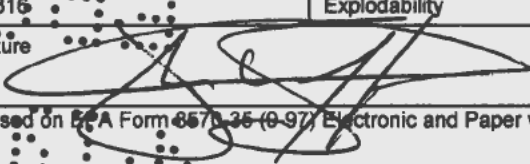
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## DATA MATRIX

Date September 8, 2006			EPA Reg. No./File Symbol 83520-XXX		Page 1 of 6
Applicant's/Registrant's Name & Address			Product:		
Axss USA, LLC P.O. Box 1401 St. Joseph, MO 64502-1401			Bifenthrin Technical		
Ingredient Bifenthrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830-1550	Product Identity and Composition		Axss USA, LLC	Own	
830.1600	Description of Materials Used to Produce the Product		Axss USA, LLC	Own	
830.1620	Description of Production Process		Axss USA, LLC	Own	
830-1650	Description of Formulation Process				1
830.1670	Discussion of Formation of Impurities		Axss USA, LLC	Own	
830-1700	Preliminary Analysis		Axss USA, LLC	Own	
830.1750	Certified Limits		Axss USA, LLC	Own	
830.1800	Enforcement Analytical Method		Axss USA, LLC	Own	
830.1900	Submittal of Samples				2
830.6302	Color		Axss USA, LLC	Own	
830.6303	Physical State		Axss USA, LLC	Own	
830.6304	Odor		Axss USA, LLC	Own	
830.6313	Stability to normal & elevated temp., metal, metal ion		Axss USA, LLC	Own	
830.6314	Oxidation/Reduction		Axss USA, LLC	Own	
830.6315	Flammability / Flame Extension		Axss USA, LLC	Own	
830.6316	Explosibility				3
Signature 			Name and Title John C. Steffel, President		Date 09/08/2006

Based on EPA Form 6570-35 (9-97). Electronic and Paper versions available. Submit only Paper version.

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## DATA MATRIX

Date September 8, 2006			EPA Reg. No./File Symbol 83520-XXX		Page 2 of 6
Applicant's/Registrant's Name & Address			Product		
Axss USA, LLC P.O. Box 1401 St. Joseph, MO 64502-1401			Bifenthrin Technical		
Ingredient Bifenthrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.6317	Storage Stability				4
830.6319	Miscibility				5
830.6320	Corrosion Characteristics				6
830.6321	Dielectric Breakdown Voltage				7
830.7000	pH		Axss USA, LLC	Own	
830.7050	UV/Visible Spectrum		Axss USA, LLC	Own	
830.7100	Viscosity				8
830.7200	Melting Point/ Melting Range		Axss USA, LLC	Own	
830.7300	Density		Axss USA, LLC	Own	
830.7370	Dissociation Constant				9
830.7550	Partition Coefficient		Axss USA, LLC	Own	
830.7840	Water Solubility		Axss USA, LLC	Own	
830.7950	Vapor Pressure				10
Signature			Name and Title		Date
			John C. Steffel, President		09/08/2006

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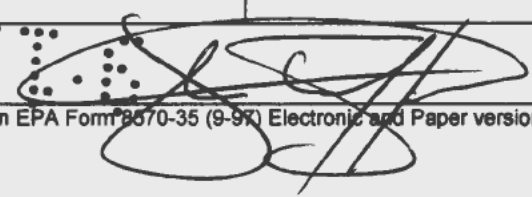
## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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WASHINGTON, D.C. 20460

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## DATA MATRIX

Date September 8, 2006			EPA Reg. No./File Symbol 83520-XXX		Page 3 of 6
Applicant's/Registrant's Name & Address Axss USA, LLC P.O. Box 1401 St. Joseph, MO 64502-1401			Product Bifenthrin Technical		
Ingredient Bifenthrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
	CITE-ALL		The Scotts Company	PAY	
			Marysville, OH 43041		
			McLaughlin Gormley King Co.	PAY	
			Minneapolis, MN 55427		
			Amvac Chemical Corp.	PAY	
			Newport Beach, CA 92660		
			The Andersons Lawn Fertilizer Div.	PAY	
			Maumee, OH 43537		
			Makhteshim Chemical Works	PAY	
			Raleigh, NC 27609		
			Howard Fertilizer & Chemical	PAY	
			Salem, VA 24153		
			Spray Drift Task Force	PAY	
			Washington, DC 20006		
			United Phosphorous	PAY	
			Trenton, NJ 08611		
			Outdoor Residential Task Force	PAY	
			Washington, DC 20005		
Signature 			Name and Title John C. Steffel, President		Date 09/08/2006

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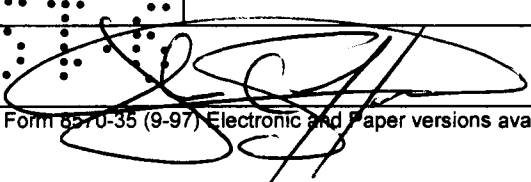
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## DATA MATRIX

Date September 8, 2006		EPA Reg. No./File Symbol 83520-XXX		Page 4 of 6	
Applicant's/Registrant's Name & Address Axss USA, LLC P.O. Box 1401 St. Joseph, MO 64502-1401		Product Bifenthrin Technical			
Ingredient Bifenthrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
	CITE-ALL		Agricultural Re-Entry Task Force	PAY	
			Washington, DC 20005		
			Micro-Flo Company LLC	PAY	
			Memphis, TN 38117		
			The Ortho Business Group	PAY	
			Marysville, OH 43041		
			FMC Corp.	PAY	
			Philadelphia, PA 19103		
			Non-Dietary Exposure Task Force	PAY	
			Washington, DC		
			Arizona Chemical Group	PAY	
			Los Angeles, CA		
			Lesco, Inc.	PAY	
			Cleveland, OH 44114		
			Makhteshim-Agan of North America	PAY	
			Raleigh, NC 27609		
			Nufarm Americas Inc.	PAY	
			Burr Ridge, IL 60527		
Signature 			Name and Title John C. Steffel, President		Date 09/08/2006

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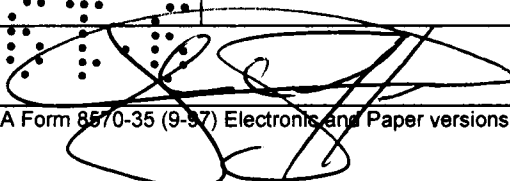
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WASHINGTON, D.C. 20460

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## DATA MATRIX

Date September 8, 2006			EPA Reg. No./File Symbol 83520-XXX		Page 5 of 6
Applicant's/Registrant's Name & Address Axss USA, LLC P.O. Box 1401 St. Joseph, MO 64502-1401			Product Bifenthrin Technical		
Ingredient Bifenthrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
	CITE-ALL		Southern States Cooperative	PAY	
			Richmond, VA 23230		
			Nippon Soda Co. Ltd.	PAY	
			New York, NY 10006		
			Sunniland Corp.	PAY	
			Miami, FL 33143		
			Atex, Inc.	PAY	
			Valdosta, GA 31603		
			Control Solutions, Inc.	PAY	
			Pasadena, TX 77507		
			Bengal Products, Inc.	PAY	
			Baton Rouge, LA 70817		
			Agricultural Handlers Exposure TF	PAY	
			Macon, MO 63552		
			Ensystex II, Inc.	PAY	
			Gig Harbor, WA 98332		
			Bayer Environmental Science	PAY	
			Research Triangle Park, NC 27709		
Signature 			Name and Title John C. Steffel, President		Date 09/08/2006

Based on EPA Form 8570-35 (9-97) Electronic and Paper versions available. Submit only Paper version.

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## DATA MATRIX FOOTNOTES

1. **Description of Formulation Process:** Not applicable because the product is a TGA/MP.
2. **Submittal of Samples:** Not required at this time.
3. **Explodability:** Not applicable. Product is not potentially explosive.
4. **Storage Stability:** Will be submitted if required.
5. **Miscibility:** Not applicable. Product is not intended for dilution with petroleum solvents.
6. **Corrosion Characteristics:** Will be submitted if required.
7. **Dielectric Breakdown Voltage:** Not applicable. Product is not intended for use around electrical equipment.
8. **Viscosity:** Not required because product is a solid.
9. **Dissociation Constant:** Not required. The product does not dissociate.
10. **Vapor Pressure:** Published literature indicates that the vapor pressure is below any of the guideline test methods. Therefore it is not possible to determine an accurate reading.

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